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**REVIEW OF HISTORICAL CASE-MIX
INDICES AND THE IMPACT OF UPDATING
TO THE VERSION 8 DRG GROUPER**

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FOREWORD

This document presents a review of facility and Service branch case-mix indices (CMIs) for the period FY85 through FY90 at military medical treatment facilities (MTFs) within the Military Health Services System (MHSS). CMI values were computed based upon Version 4 and Version 8 Diagnosis Related Groups (DRGs) and respective relative case weights and DoD trim points. Changes in CMIs using Version 4 DRGs were examined for FY85 through FY90. In addition, the impact of updating the grouper from Version 4 to Version 8 was evaluated at the DRG, Service branch, and facility level. This report was prepared under contract MDA93-88-C-0147. Questions or comments regarding this document should be directed to LTC Stuart Baker, OASD(HA) Resource Analysis and Management Systems, (703) 756-1918.

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1.0 INTRODUCTION AND EXECUTIVE SUMMARY

This document presents an analysis of facility and Service branch case-mix indices (CMIs) for the period FY85 through FY90 at military medical treatment facilities (MTFs) within the Military Health Services System (MHSS). Additionally, CMI values computed using Version 4 and Version 8 Diagnosis Related Groups (DRGs), the associated case weights, and DoD trim points, were examined for FY90. The purpose of this review is twofold:

- review trends in past case-mix complexity; and
- review the impact of updating to the Version 8 DRG Grouper.

The CMI represents the average case-mix complexity for a given set of inpatient dispositions. Exhibit 1-1 shows how RWPs and CMIs were computed using the Version 4 DRG Grouper. The Version 8 DRG Grouper was implemented in a similar manner. Additional detail related to implementing the Version 8 DRG Grouper is provided in Chapter 3.0 and **Development of FY91 (Version 8) DoD Diagnosis Related Groups (DRG) Weights and Trim Points.**¹ Note that due to changes in grouper software the number of dispositions mapped into DRGs 469 and 470 differs. Therefore, the total number of dispositions used to compute RWPs will differ when comparing groupers. Further details concerning the computation of RWPs and CMIs is presented in **Development of Cost Models to Support Diagnosis Related Management.**²

The remainder of this chapter provides an executive summary of the analysis results presented in this paper. Chapter 2.0 discusses the change in CMIs over time using only the Version 4 DRG Grouper. Chapter

¹VRI-DMIS-2.60 WN91-4, Vector Research, Inc., 9 January 1992.

²VRI-DMIS-2.60 WP91-1(R), Vector Research, Inc., 7 November 1991.

EXHIBIT 1-1: RWP AND CMI CALCULATION METHODOLOGY

1. **Version of DRG Grouper: 4.0**
2. **DRG Base Weights**
 - Taken primarily from CHAMPUS as published in the 1 September 1987 Federal Register and based upon CHAMPUS hospital claims for the period 1 July 1986 through 30 June 1987. HCFA version 4.0 weights, adjusted by a factor of 1.07927, were used for DRGs where CHAMPUS weights were not calculated (primarily psychiatric and substance abuse DRGs).
3. **Geometric Mean Length of Stay (GLOS) and Trim Point Calculation Methodology**
 - eliminate zero bed day discharges;
 - eliminate one day transfer discharges;
 - eliminate discharges where LOS is outside the 5th and 95th percentiles;
 - form the natural logarithm of LOS;
 - compute mean and standard deviation of the logged LOS;
 - compute logged trim points using plus and minus 1.96 standard deviations;
 - unlog the logged trim points and mean to form the geometric mean LOS (GLOS) and preliminary trim points;
 - if trim is more than 17 days from GLOS, change to exactly 17 days; and
 - round low trim upward and high trim downward to nearest integer.
4. **Per Diem Weights**
 - defined as the base DRG weight divided by the GLOS
5. **Relative Weighted Product (RWP) Calculation**

Direct admissions and births not transferred out, and all transfer in cases:

 - inliers: credited with base DRG weight;
 - short-stay outliers: 200 percent of the per diem weight for each day, with the total not to exceed the base weight; and
 - long-stay outliers: base weight plus 60 percent of the per diem weight for each day beyond the upper trim point.

Direct admissions and births that are transferred out:

 - inliers and short-stay outliers: per diem weights for each day but with a total not to exceed the base DRG weight; and
 - long-stay outliers: base weight plus 60 percent per diem (as above).

Exceptions:

 - DRGs 469 (invalid Dx) and 470 (not groupable):
 - no RWP credit
 - DRGs 385 (neonates, died or transferred) and 456 (burns transferred to another acute care facility):
 - short-stay outliers treated as inliers.
6. **Case Mix Index (CMI) Calculation**
 - $CMI = RWP / (\text{Dispositions excluding DRGs 469 and 470})$

3.0 examines the impact of replacing the Version 4 Grouper with the Version 9 DRG grouper and updated DRG weights.

1.1 EXECUTIVE SUMMARY

Exhibit 1-2 presents CMIs by Service branch from FY85 through FY90 using the Version 4 DRG Grouper.¹ The DoD CMIs were relatively stable over time as the overall CMI increased by 5.8% between FY85 and FY90. Since these were also the fiscal years with the minimum and maximum CMI values respectively, the 5.8% represents the maximum range observed during the fiscal years reviewed.

A pattern comparable to that observed at the DoD level was found within each Service branch. The Army CMIs were relatively stable with a difference between the minimum and maximum CMI of 5.5% and an increase in average case-complexity of 5.4% between FY85 and FY90. Similarly, the Navy CMIs were determined to be relatively stable with both a range of 5.1% and an increase in CMI of 5.1% between FY85 and FY90. The Air Force had both a range of 6.0% and increase of 6.0% between FY85 and FY90. As may be seen in the exhibit, all Services reported a decrease in CMI between FY88 and FY89, but a relatively substantial increase in CMI between FY89 and FY90. More specifically, the Army CMI increased by 4.9% between FY89 and FY90, while the Navy and Air Force CMI increased 4.4% and 1.9% respectively. The change in CMIs over time using the Version 4 DRG Grouper is discussed in greater detail in chapter 2.0.

A number of reasons exist that may explain the observed increase in the average case-mix complexity between FY85 and FY90. For example, the transfer of less complex inpatient care to an ambulatory setting will

¹Brooke AMC (JMMC) no longer reports through the JMMC. Brooke, however, reported workload through the Army prior to FY87, and through the USAF from FY88 through FY91. All calculations in this document are based on Brooke being included in the USAF.

EXHIBIT 1-2: FY85-FY90 VERSION 4 DRG GROUPER CMIs BY SERVICE BRANCH

	FY85 CMI	FY86 CMI	FY87 CMI	FY88 CMI	FY89 CMI	FY90 CMI	FY85 TO FY90 %AGE CHANGE	RELATIVE RANGE*
Army **	0.8346	0.8349	0.8341	0.8457	0.8389	0.8800	5.4%	5.5%
Navy	0.7759	0.7865	0.7879	0.8107	0.7811	0.8158	5.1%	5.1%
Air Force **	0.8079	0.8254	0.8336	0.8421	0.8404	0.8567	6.0%	6.0%
DoD	0.8109	0.8213	0.8252	0.8371	0.8273	0.8581	5.8%	5.8%

* The relative range is the percentage difference between the minimum and maximum CMI.

** Workload for Brooke AMC is included within the Air Force for all fiscal years.

cause the CMIs to increase. The focus of this document, however, is to summarize changes in the CMIs. An investigation of all possible explanations for observed increases in CMIs, and the degree to which each explanation actually impacted the CMIs, is beyond the scope of this report.

Exhibit 1-3 displays CMIs by Service branch and model peer group and compares the results of using the Version 4 DRG Grouper versus the Version 8 DRG Grouper software and updated DRG weights. Note that updating from the Version 4 to Version 8 DRGs included updating all relative case weights and trim points, and implementing new DRGs such as the 000 series DRGs for neonates. Many of the assigned weights for mental health, psychiatric, substance abuse, and neonatal care increased substantially. Additional details concerning implementation of the Version 8 DRG Grouper and a comparison of DRG weights and trim points are provided in chapter 3.0.

Since the type of care provided at a medical center may be substantially different from that provided at a CONUS or overseas hospital, there may exist a distinct difference in the impact of updating the DRG grouper on computed case-mix complexity. As seen in the exhibit, the overall increase in DoD computed case-complexity is 5.5%. The CMI for Air Force CONUS community hospitals, however, increased by only 0.4% while the CMI for Navy CONUS hospitals increased 10.7%. Additionally, the Navy CMI overall increased by 9.4% while the Army and Air Force CMIs increased by 5.0% and 3.6% respectively.

The observed differences in the impact on computed CMIs can be attributed somewhat to differences in the provision of care by Service branch and facility type. Exhibit 1-4 shows Version 4 and Version 8 DRG Grouper CMIs by major diagnostic category (MDC) summed over all MTFs. Note the high degree of variation in changes in CMIs across MDCs. The

**EXHIBIT 1-3: FY90 VERSION 4 AND VERSION 8 DRG GROUPER CMIs BY
MODEL PEER GROUPS**

SERVICE BRANCH/MODEL PEER GROUP	FY90 VERSION 4 CMI	FY90 VERSION 8 CMI	PERCENTAGE CHANGE FY90 VERSION 4 TO FY90 VERSION 8 CMI
ARMY*			
CONUS Community Hospitals	0.7184	0.7380	2.7%
Medical Centers	1.1659	1.2382	6.2%
Overseas Hospitals	0.7719	0.8277	7.2%
All Army Facilities	0.8800	0.9237	5.0%
NAVY			
CONUS Community Hospitals	0.7370	0.8160	10.7%
Medical Centers	0.9372	1.0156	8.4%
Overseas Hospitals	0.6874	0.7488	8.9%
All Navy Facilities	0.8158	0.8921	9.4%
USAF*			
CONUS Community Hospitals	0.6691	0.6715	0.4%
Medical Centers	1.1839	1.2587	6.3%
Overseas Hospitals	0.7072	0.7357	4.0%
All USAF Facilities	0.8567	0.8876	3.6%
DoD			
CONUS Community Hospitals	0.7052	0.7307	3.6%
Medical Centers	1.1104	1.1851	6.7%
Overseas Hospitals	0.7383	0.7891	6.9%
All Facilities	0.8581	0.9052	5.5%

* Workload for Brooke AMC is included within the Air Force Medical Center peer group for all fiscal years.

EXHIBIT 1-4: FY90 VERSION 4 AND VERSION 8 DRG GROUPER DoD OVERALL CMIs BY MDC

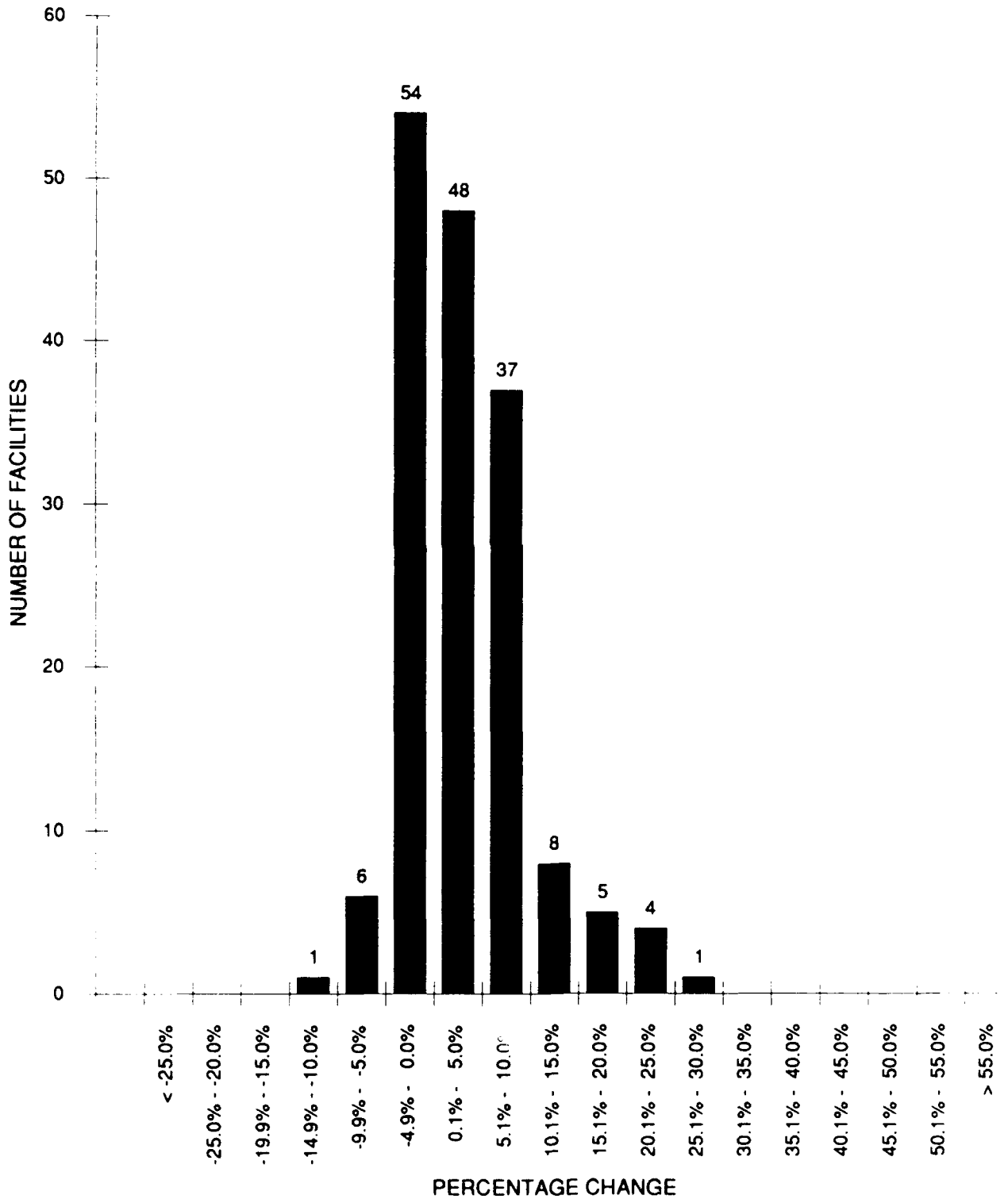
MAJOR DIAGNOSTIC CATEGORY	VERSION 4		VERSION 8		VERSION 4		VERSION 8		%AGE CHANGE VERSION 4 TO VERSION 8 CMI
	DISP.	RWPs	DISP.	RWPs	CMI	CMI	CMI		
1 Nervous System	29,515	36,478	29,182	40,090	1.2359	1.3738	1.3738	11.2%	
2 Eye Disorders	16,181	11,373	16,162	12,052	0.7029	0.7457	0.7457	6.1%	
3 Ear/Nose/Mouth/Throat	48,555	26,941	69,647	46,276	0.5548	0.6844	0.6844	19.8%	
4 Respiratory System	41,003	50,485	40,710	49,542	1.2313	1.2169	1.2169	-1.2%	
5 Circulatory System	49,854	66,362	50,072	67,909	1.3311	1.3562	1.3562	1.9%	
6 Digestive System	107,410	99,128	85,643	72,984	0.9229	0.8522	0.8522	-7.7%	
7 Hepatobiliary System	14,377	21,025	14,299	19,617	1.4624	1.3719	1.3719	-6.2%	
8 Musculoskeletal System	85,876	94,026	85,792	95,658	1.0949	1.1150	1.1150	1.8%	
9 Skin/Subcutaneous Tissue	41,959	36,492	41,928	37,225	0.8697	0.8878	0.8878	2.1%	
10 Endocrine/Nutritional	13,859	13,075	13,757	11,825	0.9434	0.8596	0.8596	-8.9%	
11 Kidney/Urinary Tract	21,666	22,273	21,653	21,266	1.0280	0.9821	0.9821	-4.5%	
12 Male Reproductive System	19,156	14,189	18,572	13,304	0.7407	0.7164	0.7164	-3.3%	
13 Female Reproductive System	42,570	33,910	42,543	33,455	0.7961	0.7864	0.7864	-1.3%	
14 Pregnancy/Childbirth	135,381	78,880	135,227	69,492	0.5827	0.5138	0.5138	-11.8%	
15 Neonatal/Perinatal Period	94,420	27,119	97,063	33,026	0.2872	0.3403	0.3403	18.5%	
16 Blood/Immunity	8,382	10,952	6,811	8,256	1.3066	1.2122	1.2122	-7.2%	
17 Myeloproliferative/Neoplasms	8,481	13,900	8,449	16,315	1.6390	1.9310	1.9310	17.8%	
18 Infectious/Parasitic	16,434	14,032	15,828	14,271	0.8539	0.9016	0.9016	5.6%	
19 Mental Disease/Disorder	20,734	25,646	20,681	48,913	1.2369	1.2369	1.2369	91.2%	
20 Substance Use/Organic Mental	16,008	17,047	16,008	29,739	1.0649	1.8577	1.8577	74.4%	
21 Injury, Poison, Toxic Effects	15,178	16,039	14,141	13,090	1.0568	0.9256	0.9256	-12.4%	
22 Burns	1,238	2,805	1,236	2,656	2.1038	2.1489	2.1489	2.1%	
23 Other Factors/Contacts	18,637	11,853	18,302	15,729	0.6360	0.8594	0.8594	35.1%	
24 Multiple Significant Trauma	0	0	754	4,385	---	5.8155	5.8155	---	
25 HIV Infections	0	0	2,139	7,354	---	3.4381	3.4381	---	
All Care	866,874	743,828	866,599	784,431	0.8581	0.9052	0.9052	5.5%	

average case complexity for a disposition within MDC 19-Mental Diseases and Disorders increased by 91.2% while the CMI within MDC 21-Injury, Poisoning, and Toxic Effects of Drugs decreased by 12.4%. Additionally, care within MDC 14-Pregnancy, Childbirth and the Puerperium had a decline in average case complexity of 11.8%. Given these results, any facility or model peer group that does not provide care distributed in a manner similar to the DoD overall "average" may have a change in CMI that is substantially different from the DoD average.

An excellent example of differences in care provision impacting changes in CMI exists when comparing Navy CONUS hospital and Air Force CONUS hospital workload. Appendix A contains exhibits similar to exhibit 1-4 for all model peer groups. Exhibits A-4 and A-7 present Navy and Air Force CONUS hospital data respectively. The Navy hospitals had a predominantly higher proportion of total workload within MDCs 19 and 20 relative to the Air Force. More than 20% of total workload in terms of Version 8 RWPs at Navy CONUS hospitals was within MDC 19-Mental Diseases and Disorders and MDC 20-Substance Use and Substance Induced Mental Disorders. Only 6% of Air Force CONUS hospital workload, however, was within these MDCs. Additionally, the CMIs within MDCs 19 and 20 increased substantially more within the Navy than the Air Force when comparing the two groupers. Therefore, with all other factors being essentially equal, the Navy CONUS hospital overall CMI increased more than the Air Force CONUS hospital CMI.

Exhibit 1-5 presents a histogram of the percentage change in facility CMIs when comparing the Version 4 and Version 8 DRG Grouper and associated weights and trim points. Of the 164 MTFs reviewed, 145 had less than a 10% change in CMI. NH Lemoore (DMIS ID 28) had a 10.3% decline in CMI, USAF Hospital Hellenikon (DMIS ID 631) had a 28.8% increase in CMI, and 9 MTFs had between a 15% and 25% increase in CMI.

EXHIBIT 1-5: HISTOGRAM OF PERCENTAGE CHANGE BETWEEN FY90
VERSION 4 AND FY90 VERSION 8 FACILITY CMIs



Therefore, relatively few facilities had a change in CMI substantially different than the 5.5% overall increase.

Since a general increase in the overall CMI was observed, updating to the Version 8 DRG Grouper and associated weights and trim points will generally increase computed workload and case-mix complexity values. To preserve comparability of RWPs, CMIs, and IWUs over time it may be necessary to adjust values computed using the Version 8 DRG Grouper to allow comparison to workload computed using the Version 4 DRG Grouper.

A CMI correction factor may be computed by assigning DRGs and computing RWPs and CMIs using two grouper versions and associated weights and trim points. A comparison of the resultant DOD overall CMIs will provide a DoD global adjustment factor. For example, the resulting FY90 DoD-wide CMI using the Version 4 DRG Grouper was 0.8581 and using the Version 8 DRG Grouper was 0.9052. The ratio of the Version 8 to Version 4 CMI is 1.0549, which indicates that on average each MTF had a CMI using the Version 8 Grouper that was approximately 5.5% higher strictly due to the fact that the grouper and associated weights and trim points were updated.

Therefore, in order to ensure that IWUs are consistent over time, a correction factor based upon this result may be incorporated when computing IWUs. The current basic formula for the computation of IWUs is:

$$IWUs = \frac{CMI}{.8109} \times MEPRS \text{ dispositions}$$

Precisely speaking, the above definition is only accurate for IWUs based upon Version 4 DRGs and associated weights and trim points, which were used in the original formulation of the IWU. In order to correct for observed changes in case-mix due to grouper updates, a correction factor may be added to the definition of the IWU. Thus, the updated generic IWU definition would be:

$$IWUs = \frac{CMI}{(.8109 * CMI \text{ Correction Factor})} \times \text{MEPRS dispositions}$$

where the

$$CMI \text{ Correction Factor} = \frac{\text{DoD CMI using new grouper}}{\text{DoD CMI using past grouper}}$$

This definition of the IWU is generic in the sense that it is not sensitive to the DRG Grouper version with which the CMI is computed, whereas the former definition should only be applied to CMIs computed using the Version 4 DRG Grouper. Applying this definition of the IWU to FY90 data would essentially reduce the computed IWUs at each facility by 5.5%. Similarly, the corresponding correction factor for each DRG grouper update must be calculated whenever the grouper and/or associated weights and trim points are updated.

Note that while the global adjustment factor preserves comparability of IWUs over time at the aggregate DoD level, the global adjustment does not compensate for changes at the facility level. For example, while on average the DoD CMI increase by 5.5% when comparing results from the Version 4 and Version 8 DRG Groupers, Navy CONUS hospitals CMIs on average increased by 10.7%. In addition, NH Lemoore (DMIS ID 28) had a 10.3% decrease in its CMI while NH Orlando had a 22.9% increase in its CMI. Therefore, an analysis at the facility or peer group level, even after compensating for the update at the global level, could demonstrate a notable change in observed IWUs strictly due to the grouper update.

Thus, there exists a tradeoff between frequently updating or maintaining the same DRG grouper and associated weights and trim points. While it is presumed that a more recent grouper will incorporate rapidly changing medical practice, policy, relative costs, and efficiency, continuously updating the basis for measuring workload could impact facility or peer group-level time series analyses. The issues identified and

data presented in this document will assist analysts in identifying changes in workload strictly due to updates in workload measures. Caution must be exercised, however, when workload measures obtained from different DRG groupers are compared over time or employed as inputs to previously established models.

2.0 EVALUATION OF CASE-MIX INDICES OVER TIME

This chapter presents a review of Service branch, model peer group, and facility case-mix indices (CMIs) over time using the Version 4 Diagnosis Related Group (DRG) Grouper and associated weight and DoD trim points. The following analysis is based on relative weighted products (RWPs) and CMIs computed in the manner previously described in exhibit 1-1. Section 2.1 provides a summary view of Service branch CMIs between FY85 and FY90. Section 2.2 presents a more in-depth evaluation of FY88 through FY90 CMIs at the model peer group and facility level.

2.1 REVIEW OF FY85-FY90 VERSION 4 DRG GROUPEE SERVICE BRANCH CMIs

Exhibit 2-1 presents CMIs by Service branch from FY85 through FY90 using the Version 4 DRG Grouper. Note that while Brooke AMC (JMMC) reported Biometrics workload through the Army from FY85 through FY87, and the Air Force from FY88 through FY90, all calculations include Brooke AMC within the Air Force. The DoD CMIs were relatively stable over time as the CMI increased by 5.8% between FY85 and FY90. Additionally, the relative difference between the minimum and maximum CMI value was 5.8%. A pattern similar to that observed at the DoD level was found within each Service branch. The Army CMIs were quite stable with a relative range of 5.5% and an increase of 5.4% between FY85 and FY90. Comparably, the Navy CMIs was determined to be relatively stable with both a range of 5.1% and an increase of 5.1% between FY85 and FY90. The Air Force had both a range of 6.0% and increase of 6.0% between FY85 and FY90. As may be seen in the graph, all Services reported a decrease in CMIs from FY88 to FY89 and a relatively substantial increase in CMIs between FY89 and FY90. More specifically, the Army CMI increased 4.9%

EXHIBIT 2-1: FY85-FY90 VERSION 4 DRG GROUPER CMIs BY SERVICE BRANCH

	FY85 CMI	FY86 CMI	FY87 CMI	FY88 CMI	FY89 CMI	FY90 CMI	%AGE CHANGE FY85 TO FY90	RELATIVE RANGE*
Army **	0.8346	0.8349	0.8341	0.8457	0.8389	0.8800	5.4%	5.5%
Navy	0.7759	0.7865	0.7879	0.8107	0.7811	0.8158	5.1%	5.1%
Air Force **	0.8079	0.8254	0.8336	0.8421	0.8404	0.8567	6.0%	6.0%
DoD	0.8109	0.8213	0.8252	0.8371	0.8273	0.8581	5.8%	5.8%

* The relative range is the percentage difference between the minimum and maximum CMI.

** Workload for Brooke AMC (JMMC) is included within the Air Force for all fiscal years.

between FY89 and FY90, while the Navy and Air Force CMI increased 4.4% and 1.3% respectively.

A number of reasons exist that may explain the observed changes in the average case-mix complexity. For example, the transfer of less complex inpatient care into an ambulatory setting will cause the CMIs to increase. Additionally, changes in the demographics of the beneficiary population served, including caring for a proportionally higher number of retirees and their dependents, who tend to require more complex care, will cause the observed CMIs to increase. Also, changes in methods of assigning diagnoses and procedures at MTFs, due to DRG optimization, may increase observed CMIs. The focus of this paper, however, is to review changes in the CMIs, and a complete investigation of all possible explanations for the observed increase in the CMIs and the degree to which these explanations impact the change in CMIs is beyond the scope of this document. The next section focuses on FY88 through FY90 facility and model peer group CMIs.

2.2 REVIEW OF VERSION 4 DRG GROUPER PEER GROUP AND FACILITY CMIs

This section presents a more in-depth review of CMI at the facility and model peer group level. Exhibit 2-2 presents FY88 through FY90 CMI by model peer group. As previously mentioned, generally CMIs increased between FY89 and FY90 and Army medical centers displayed the greatest increase in CMI. The only peer group that had a decrease in its CMI between FY89 and FY90 was the Air Force overseas hospital peer group. Additionally, the only peer groups that displayed an increase in CMI between FY88 and FY89 were Army and Air Force overseas hospitals. The net result when FY88 and FY90 were compared, was that the general increase in CMIs between FY89 and FY90, combined with an overall decrease between

EXHIBIT 2-2: FY88-FY90 VERSION 4 DRG GROUPER CMIs BY MODEL PEER GROUP

SERVICE BRANCH/MODEL PEER GROUP	FY88 VERSION 4 CMI		FY89 VERSION 4 CMI		FY90 VERSION 4 CMI		%AGE CHANGE FY88 TO FY89 CMI		%AGE CHANGE FY88 TO FY90 CMI		%AGE CHANGE FY88 TO FY90 CMI	
ARMY*												
CONUS Community Hospitals	0.7106	0.6988	0.7184				-1.7%		2.8%		1.1%	
Medical Centers	1.0985	1.0864	1.1659				-1.1%		7.3%		6.1%	
Overseas Hospitals	0.7306	0.7439	0.7719				1.8%		3.8%		5.7%	
All Army Facilities	0.8457	0.8389	0.8800				-0.8%		4.9%		4.1%	
NAVY												
CONUS Community Hospitals	0.7234	0.7136	0.7370				-1.4%		3.3%		1.9%	
Medical Centers	0.9629	0.9068	0.9372				-5.8%		0		-2.7%	
Overseas Hospitals	0.6629	0.6543	0.6874				-1.3%		5.0%		3.7%	
All Navy Facilities	0.8107	0.7811	0.8158				-3.7%		4.4%		0.6%	
USAF*												
CONUS Community Hospitals	0.6679	0.6624	0.6691				-0.8%		1.0%		0.2%	
Medical Centers	1.1889	1.1566	1.1839				-2.7%		2.4%		-0.4%	
Overseas Hospitals	0.7170	0.7207	0.7072				0.5%		-1.9%		-1.4%	
All USAF Facilities	0.8421	0.8404	0.8567				-0.2%		1.9%		1.7%	
DoD												
CONUS Community Hospitals	0.6973	0.6891	0.7052				-1.2%		2.3%		1.1%	
Medical Centers	1.0931	1.0663	1.1104				-2.5%		4.1%		1.6%	
Overseas Hospitals	0.714	0.7198	0.7383				0.8%		2.6%		3.4%	
All Facilities	0.8371	0.8273	0.8581				-1.2%		3.7%		2.5%	

* Workload for Brooke AMC (JMMC) is included within the Air Force Medical Center peer group for all fiscal years

FY88 and FY89, resulted in relatively stable CMIs for all peer groups during this time period.

In general, CMIs for nearly all of the 165 facilities reviewed were found to be relatively stable, also. Only 1 facility had greater than a 15% change (increase or decrease) in its CMI between FY88 and FY89 and only 10 facilities had greater than a 15% change in their CMI between FY89 and FY90. Additionally, less than 10 facilities had greater than a 15% change between FY88 and FY90. Exhibits 2-3 through 2-5 are histograms of the percentage change in CMIs. Each exhibit presents the number of facilities that had a percentage change in CMI within the given range. Exhibit 2-3 compares FY88 and FY89 CMIs, exhibit 2-4 compares FY89 and FY90 CMIs, and exhibit 2-5 compares FY88 and FY90 CMIs. As in previous exhibits, a positive percentage value indicates an increase in the CMI, e.g., when comparing the FY88 and FY90 CMI a percentage change of 5.0% indicates that the CMI increased 5.0% between FY88 and FY90.

Exhibits 2-6 through 2-8 present facility CMIs for Army, Navy, and Air Force facilities respectively. The facilities are separated by model peer group and displayed in DMIS ID order within each peer group. Additionally, exhibits 2-9 through 2-11 provide the same information for Army, Navy, and Air Force MTFs respectively. Exhibits 2-9 through 2-11, however, present the MTFs within each peer group sorted by change in CMI between FY88 and FY90 to facilitate identifying MTFs that displayed greater variability in their CMIs.

Two facilities that displayed extreme changes in CMIs were NH Rota (DMIS ID 618) and 8th Medical Group-Kunson AB (DMIS ID 637). At both facilities FY90 CMIs were more than 40% greater than respective CMIs in either FY88 or FY89. NH Rota reported greater than a 40.0% increase in utilization in terms of bed days between FY89 and FY90 which may have been due to a change in services available at the facility. At Kunson

EXHIBIT 2-3: HISTOGRAM OF PERCENTAGE CHANGE BETWEEN FY88
VERSION 4 AND FY89 VERSION 4 FACILITY CMI

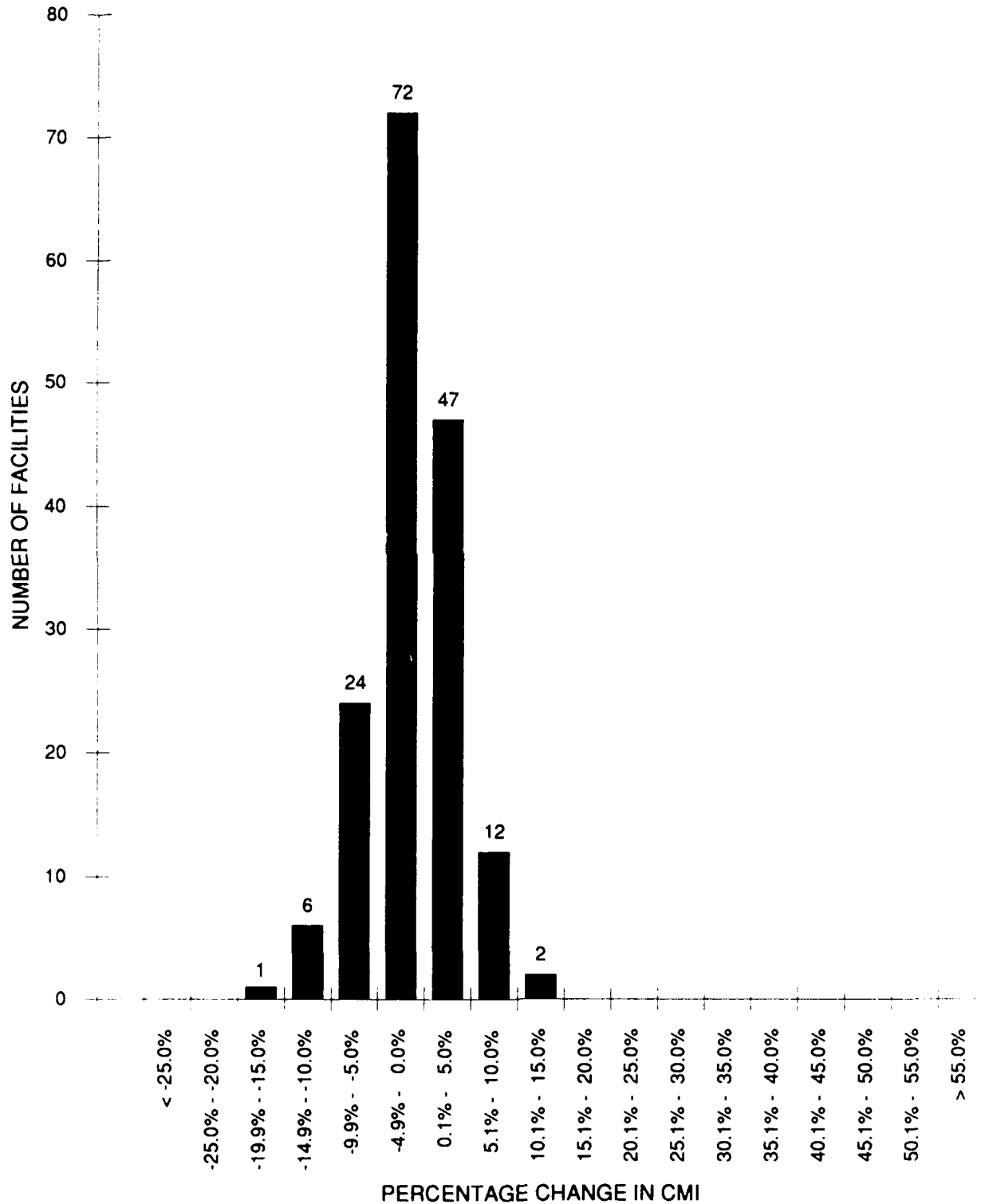


EXHIBIT 2-4: HISTOGRAM OF PERCENTAGE CHANGE BETWEEN FY89
VERSION 4 AND FY90 VERSION 4 FACILITY CMI

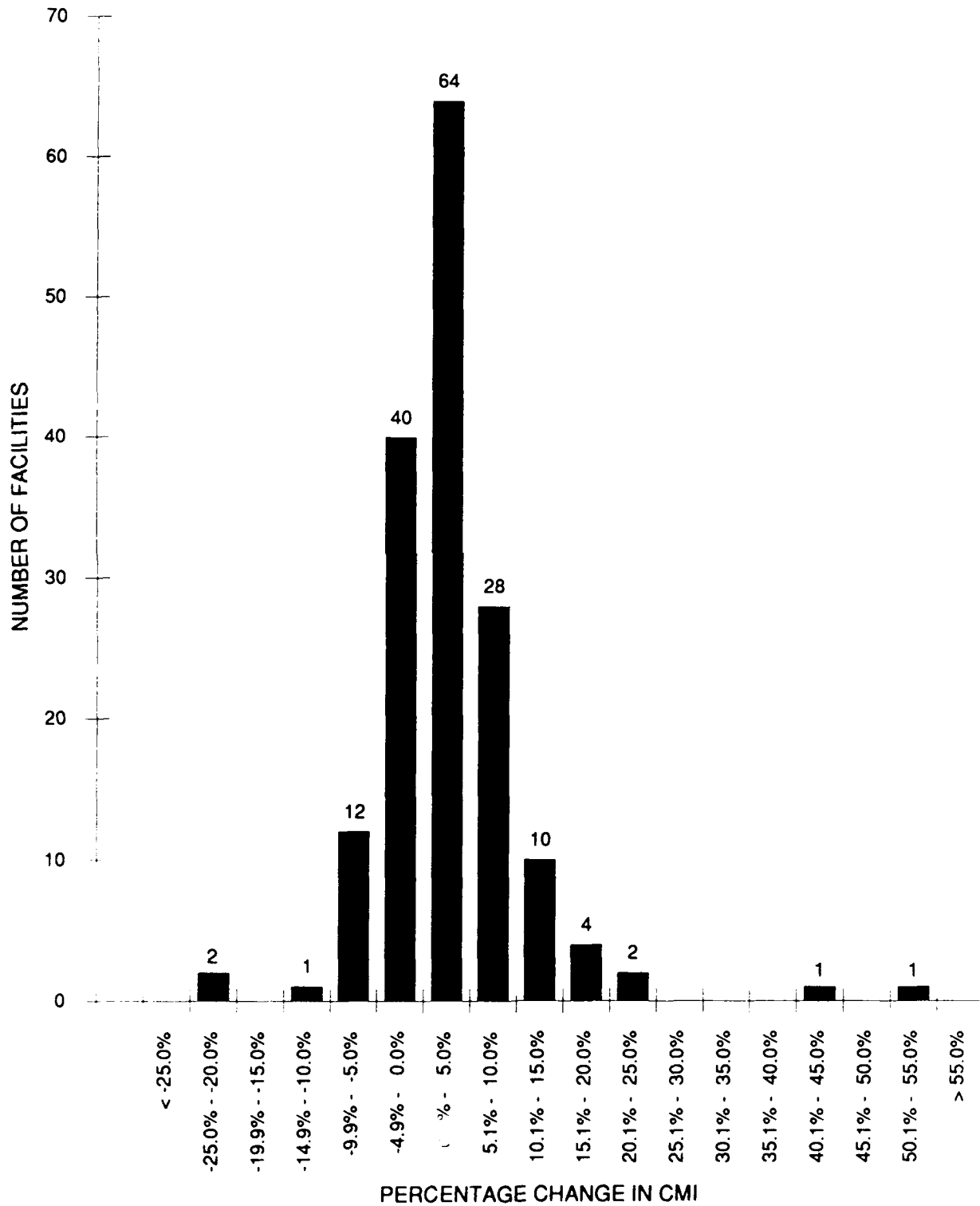


EXHIBIT 2-5: HISTOGRAM OF PERCENTAGE CHANGE BETWEEN FY88
VERSION 4 AND FY90 VERSION 4 FACILITY CMI

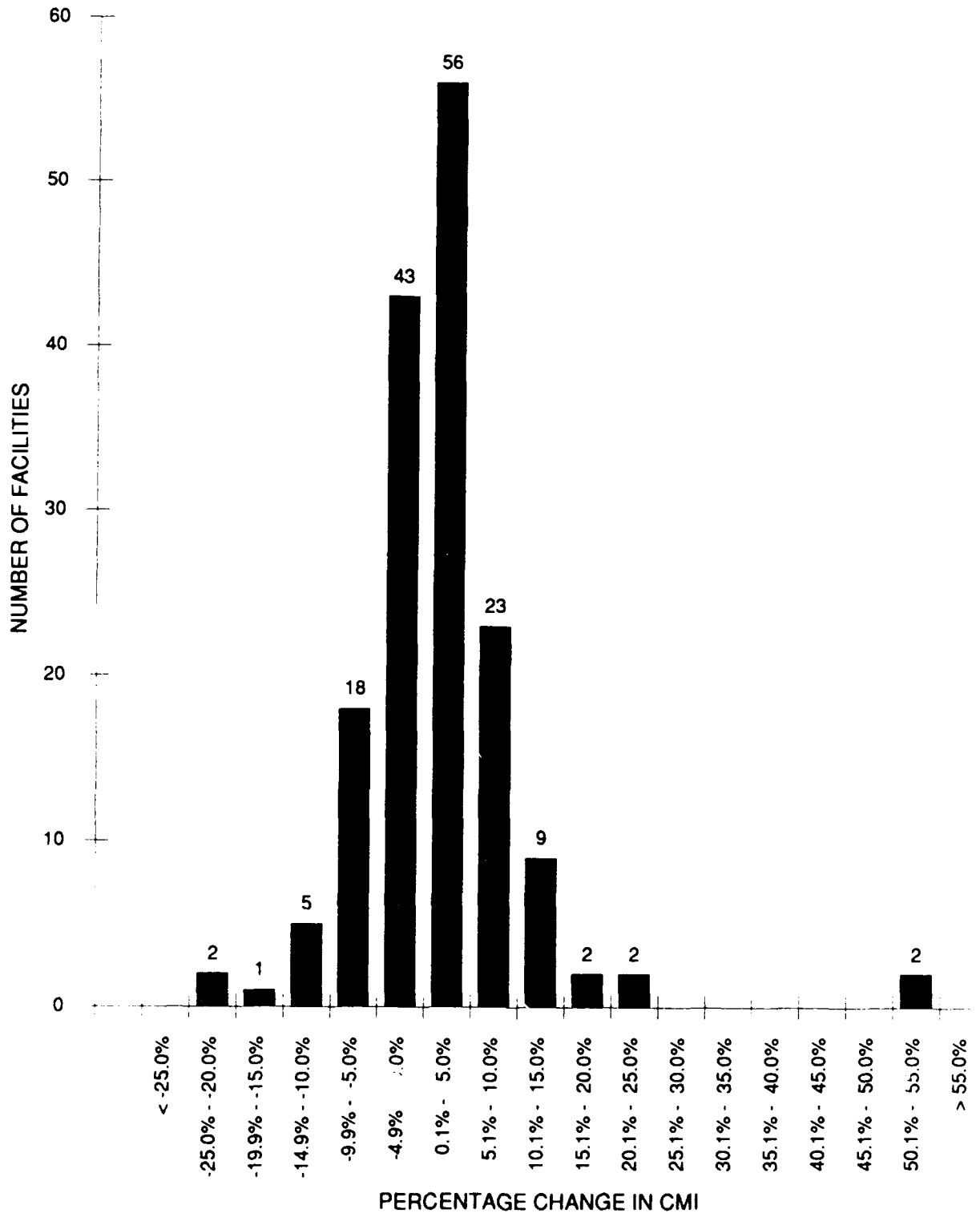


EXHIBIT 2-6: FY88-FY90 ARMY FACILITY VERSION 4 GROUPE CMI (BY PEER GROUP SORTED ON DMIS ID)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE FY88 TO FY89		%AGE CHANGE FY89 TO FY90		%AGE CHANGE FY88 TO FY90	
		VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI
1	FOX AH-REDSTONE ARSENAL	0.8048	0.7783	0.7656	-3.3%	-1.6%	-4.9%						
2	NOBLE AH-FT MCCLELLAN	0.7289	0.7277	0.7207	-0.2%	-1.0%	-1.1%						
3	LYSTER AH-FT RUCKER	0.6589	0.6605	0.6838	0.2%	3.5%	3.8%						
5	BASSETT ACH-FT WAINWRIGHT	0.5873	0.5975	0.6131	1.7%	2.6%	4.4%						
8	BLISS AH-FT HUACHUCA	0.6865	0.6598	0.7201	-3.9%	9.2%	4.9%						
23	HAYS AH-FT ORD	0.6770	0.6572	0.6704	-2.9%	2.0%	-1.0%						
32	EVANS AH-FT CARSON	0.6976	0.6678	0.6677	-4.3%	0.0%	-4.3%						
48	MARTIN AH-FT BENNING	0.8184	0.7868	0.8417	-3.9%	7.0%	2.9%						
49	WINN AH-FT STEWART	0.6665	0.6284	0.6436	-5.7%	2.4%	-3.4%						
57	IRWIN AH-FT RILEY	0.6593	0.6910	0.6797	4.8%	-1.6%	3.1%						
58	MUNSON AH-FT LEAVENWORTH	0.6822	0.7471	0.8275	9.5%	10.8%	21.3%						
60	BLANCHFIELD ACH-FT CAMPBELL	0.7221	0.7318	0.8310	1.3%	13.6%	15.1%						
61	IRELAND AH-FT KNOX	0.7188	0.7306	0.7191	1.7%	-1.6%	0.0%						
64	BAYNE-JONES AH-FT POLK	0.6352	0.6330	0.6239	-0.3%	-1.4%	-1.8%						
69	KIMBROUGH AH-FT MEADE	0.8550	0.7993	0.8512	-6.5%	6.5%	-0.4%						
70	CUTLER AH-FT DEVENS	0.7829	0.7195	0.7036	-8.1%	-2.2%	-10.1%						
75	WOOD AH-FT LEONARD WOOD	0.7174	0.7381	0.7347	2.9%	0.5%	2.4%						
81	PATTERSON AH-FT MONMOUTH	0.8300	0.7460	0.7467	-10.1%	0.1%	-10.0%						
82	WALSON AH-FT DIX	0.9371	0.7919	0.7880	-15.5%	-0.5%	-15.9%						
88	KELLER AH-FT WEST POINT	0.6806	0.6547	0.6972	-3.8%	6.5%	2.4%						
89	WOMACK AH-FT BRAGG	0.7290	0.7093	0.7360	-2.7%	3.8%	1.0%						
98	REYNOLDS AH-FT SILL	0.6709	0.6989	0.7439	4.2%	6.4%	10.9%						
105	MONCRIEF AH-FT JACKSON	0.7427	0.7473	0.8367	0.6%	12.0%	12.7%						
110	DARNALL AH-FT HOOD	0.6561	0.6273	0.6401	-4.4%	2.0%	-2.4%						
121	MCDONALD AH-FT EUSTIS	0.7118	0.7319	0.7129	2.8%	-2.6%	0.1%						
122	KENNER AH-FT LEE	0.7160	0.7789	0.7320	8.8%	-6.0%	2.2%						
123	DEWITT AH-FT BELVOIR	0.6601	0.6361	0.6517	-3.6%	2.5%	-1.3%						
131	WEED ACH-FT IRWIN	0.5601	0.6032	0.5416	7.7%	-10.2%	-3.3%						
294	HAWLEY AH-FT B. HARRISON	0.6601	0.6848	0.6767	8.1%	-1.2%	6.8%						
330	WILCOX AH/C FT DRUM	-----	0.5250	0.4000	----	-23.8%	----						
Total Army CONUS Community Hospitals		0.7106	0.6988	0.7184	-1.7%	2.8%	1.1%						

--- Continued ---

EXHIBIT 2-6: FY86-FY90 ARMY FACILITY VERSION 4 GROUPER CMI (BY PEER GROUP SORTED ON DMIS ID)
(Concluded)

DMIS ID	FACILITY	FY86		FY89		FY90		%AGE CHANGE FY88 TO FY89		%AGE CHANGE FY89 TO FY90		%AGE CHANGE FY88 TO FY90	
		VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI
22	LETTERMAN AMC-PRESIDIO OF SF	1.4130	1.4572	1.4636	1.4636	1.4636	1.4636	3.1%	0.4%	0.4%	3.6%	3.6%	3.6%
31	FITZSIMONS AMC-DENVER	1.2678	1.2563	1.3723	1.3723	1.3723	1.3723	-0.9%	9.2%	9.2%	8.2%	8.2%	8.2%
37	WALTER REED AMC-WASHINGTON	1.4692	1.4071	1.4693	1.4693	1.4693	1.4693	-4.2%	4.4%	4.4%	0.0%	0.0%	0.0%
47	EISENHOWER AMC-FT GORDON	1.0667	1.1048	1.1247	1.1247	1.1247	1.1247	3.6%	1.8%	1.8%	5.4%	5.4%	5.4%
52	TRIPLE ARMC-FT SHAFTER	0.9120	0.9045	0.9543	0.9543	0.9543	0.9543	-0.8%	5.5%	5.5%	4.6%	4.6%	4.6%
108	WILLIAM BEAUMONT AMC-FT BLISS	0.8679	0.8484	0.9870	0.9870	0.9870	0.9870	-2.2%	16.3%	16.3%	13.7%	13.7%	13.7%
125	MADIGAN AMC-FT LEWIS	0.8942	0.8943	0.9184	0.9184	0.9184	0.9184	0.0%	2.7%	2.7%	2.7%	2.7%	2.7%
Total Army Medical Centers		1.0985	1.0864	1.1659	1.1659	1.1659	1.1659	-1.1%	7.3%	7.3%	6.1%	6.1%	6.1%
601	34th GENERAL HOSP-AUGSBURG	0.7597	0.7242	0.7419	0.7419	0.7419	0.7419	-4.7%	2.4%	2.4%	-2.3%	-2.3%	-2.3%
602	5th GENERAL HOSP-BAD CANNSTATT	0.7620	0.7600	0.7857	0.7857	0.7857	0.7857	-0.3%	3.4%	3.4%	3.1%	3.1%	3.1%
603	AH BERLIN	0.6802	0.6564	0.7089	0.7089	0.7089	0.7089	-3.5%	8.0%	8.0%	4.2%	4.2%	4.2%
604	2nd FIELD HOSP-BREMERHAVEN	0.8407	0.8145	0.8343	0.8343	0.8343	0.8343	-4.1%	3.2%	3.2%	-1.0%	-1.0%	-1.0%
605	97th GENERAL HOSP-FRANKFURT	0.7453	0.7608	0.7775	0.7775	0.7775	0.7775	2.1%	2.2%	2.2%	4.3%	4.3%	4.3%
606	130th STATN HOSP-HEIDELBERG	0.6558	0.6628	0.6740	0.6740	0.6740	0.6740	1.1%	1.7%	1.7%	2.8%	2.8%	2.8%
607	2nd GENERAL HOSP-LANDSTUHL	0.8421	0.8781	0.9079	0.9079	0.9079	0.9079	4.3%	3.4%	3.4%	7.8%	7.8%	7.8%
608	96th GENERAL HOSP-NURNBERG	0.6512	0.6791	0.7933	0.7933	0.7933	0.7933	4.3%	16.8%	16.8%	21.8%	21.8%	21.8%
609	67th EVACUATION HOSP-WURZBURG	0.5940	0.6064	0.5819	0.5819	0.5819	0.5819	2.1%	-4.0%	-4.0%	-2.0%	-2.0%	-2.0%
611	45th FIELD HOSP-VICENZA	0.6219	0.6356	0.6208	0.6208	0.6208	0.6208	2.2%	-2.3%	-2.3%	-0.2%	-0.2%	-0.2%
612	121st EVACUATION HOSP-SEOUL	0.7469	0.7268	0.7822	0.7822	0.7822	0.7822	-2.7%	7.6%	7.6%	4.7%	4.7%	4.7%
613	GORGAS ACH	0.7925	0.8282	0.8504	0.8504	0.8504	0.8504	4.5%	2.7%	2.7%	7.3%	7.3%	7.3%
614	196TH STATION HOSP-SHAPE	0.6276	0.6219	0.6673	0.6673	0.6673	0.6673	-0.9%	7.3%	7.3%	6.3%	6.3%	6.3%
Total Army Overseas Hospitals		0.7306	0.7439	0.7719	0.7719	0.7719	0.7719	1.8%	3.8%	3.8%	5.7%	5.7%	5.7%
Total All Army Facilities		0.8457	0.8389	0.8800	0.8800	0.8800	0.8800	-0.8%	4.9%	4.9%	4.1%	4.1%	4.1%

EXHIBIT 2-7: FY88-FY90 NAVY FACILITY VERSION 4 GROUPER CMI (BY PEER GROUP SORTED ON DMIS ID)

DMIS ID	FACILITY	FY88		FY89		FY88 TO VERSION 4 CMI		FY89 TO VERSION 4 CMI		FY88 TO FY90		% Δ CHANGE FY88 TO FY90
		VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	
/	BRH NAVSTA ADAK	0.5648	0.5510	0.5568		-2.4%		1.1%		-1.4%		
24	NH CAMP PENDELTON	0.7540	0.7322	0.7342		-2.9%		0.3%		-2.6%		
25	NH LONG BEACH	0.9008	0.8707	0.9548		-3.3%		9.7%		6.0%		
28	NH LEMOORE	0.5921	0.5443	0.6019		-8.1%		10.6%		1.7%		
30	BRH MGAGCC TWENTY NINE PALMS	0.5034	0.5062	0.5317		0.6%		5.0%		5.6%		
35	NH GROTON	0.6585	0.7184	0.7736		9.1%		7.7%		17.5%		
38	NH PENSACOLA	0.7807	0.8954	0.8299		14.7%		-7.3%		6.3%		
39	NH JACKSONVILLE	0.6814	0.6932	0.7202		1.7%		3.9%		5.7%		
40	NH ORLANDO	0.7864	0.7510	0.7322		-4.5%		-2.5%		-6.9%		
56	NH GREAT LAKES	0.8357	0.7665	0.9236		-8.3%		20.5%		10.5%		
68	NH PATUXENT RIVER	0.5223	0.5426	0.5015		3.9%		-7.6%		-4.0%		
91	NH CAMP LEJEUNE	0.7018	0.6651	0.7323		-5.2%		10.1%		4.3%		
92	NH CHERRY POINT	0.4854	0.5007	0.5124		3.1%		2.3%		5.6%		
99	NH PHILADELPHIA	0.7867	0.7863	0.7246		0.0%		-7.9%		-7.9%		
100	NH NEWPORT	0.7984	0.7957	0.7972		-0.3%		0.2%		-0.2%		
103	NH CHARLESTON	0.7134	0.7082	0.7442		-0.7%		5.1%		4.3%		
104	NH BEAUFORT	0.7226	0.7370	0.7440		2.0%		0.9%		3.0%		
107	NH MILLINGTON	0.6863	0.6746	0.6378		-1.7%		-5.5%		-7.1%		
118	NH CORPUS C.	0.9207	0.8022	0.8378		-12.9%		4.4%		-9.0%		
126	NH BREMERTON	0.7520	0.7164	0.7192		-4.7%		0.4%		-4.4%		
127	NH OAK HARBOR	0.5591	0.5504	0.5292		-1.5%		-3.8%		-5.3%		
Total Navy CONUS Community Hospi.		0.7234	0.7136	0.7370		-1.4%		3.3%		1.9%		
27	NH OAKLAND	0.8741	0.8688	0.9064		-0.6%		4.3%		3.7%		
29	NH SAN DIEGO	0.9551	0.9291	0.9360		-2.7%		0.7%		-2.0%		
67	NH BETHESDA	1.1223	0.9928	1.1197		-11.6%		12.8%		-0.2%		
124	NH PORTSMOUTH	0.9252	0.8583	0.8457		-7.2%		-1.5%		-8.6%		
Total Navy Medical Centers		0.9629	0.9068	0.9372		-5.8%		3.4%		-2.7%		

-- Continued --

EXHIBIT 2-7: FY88-FY90 NAVY FACILITY VERSION 4 GROUPER CMI (BY PEER GROUP SORTED ON DMIS ID)
(Concluded)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE		%AGE CHANGE		%AGE CHANGE	
		VERSION 4		VERSION 4		VERSION 4		FY88 TO		FY89 TO		FY88 TO	
		CMI		CMI		CMI		VERSION 4 CMI		VERSION 4 CMI		VERSION 4 CMI	
615	NH GUANTANAMO BAY	0.6092		0.6099		0.6134		0.1%		0.6%		0.7%	
616	NH ROOSEVELT ROADS-CEIBA	0.6531		0.6949		0.7051		6.4%		1.5%		8.0%	
617	NH NAPLES	0.6178		0.5983		0.6043		-3.2%		1.0%		-2.2%	
618	NH ROTA	0.6036		0.6504		0.9227		7.7%		41.9%		52.9%	
619	NH SUBIC BAY	0.6600		0.6605		0.6779		0.1%		2.6%		2.7%	
620	NH GUAM-AGANA	0.6449		0.6679		0.6816		3.6%		2.0%		5.7%	
621	NH OKINAWA	0.7049		0.6496		0.6653		-7.8%		2.4%		-5.6%	
622	NH YOKOSUKA	0.7052		0.6681		0.7092		-5.3%		6.2%		0.6%	
623	NH KEFLAVIK	0.6292		0.6057		0.5577		-3.7%		-7.9%		-11.4%	
624	BRH USNAF, SIGONELLA	0.4633		0.4304		0.5175		-7.1%		20.2%		11.7%	
Total Navy Overseas Hospitals		0.6629		0.6543		0.6874		-1.3%		5.0%		3.7%	
Total All Navy Facilities		0.8107		0.7811		0.8158		-3.7%		4.4%		0.6%	

EXHIBIT 2-8: FY88-FY90 AIR FORCE FACILITY VERSION 4 GROUPE CMI (BY PEER GROUP SORTED ON DMIS ID)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE		%AGE CHANGE		%AGE CHANGE	
		VERSION 4		VERSION 4		VERSION 4		FY88 TO		FY89 TO		FY88 TO	
		CMI	CMI	CMI	CMI	CMI	CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI
4	AIR UNIVERSITY RGN HOSP-MAXWELL	0.7536	0.7236	0.7628	0.7628	0.7628	0.7628	-4.0%	5.4%	5.4%	1.2%	5.4%	1.2%
6	USAF HOSP ELMENDORF	0.7551	0.7182	0.6943	0.6943	0.6943	0.6943	-4.9%	-3.3%	-3.3%	-8.1%	-3.3%	-8.1%
9	832nd MED GRP-LUKE	0.6695	0.6668	0.6714	0.6714	0.6714	0.6714	-0.4%	0.7%	0.7%	0.3%	0.7%	0.3%
10	836th MED GRP-DAVIS MONTHAN	0.6635	0.6278	0.6633	0.6633	0.6633	0.6633	-5.4%	5.7%	5.7%	0.0%	5.7%	0.0%
11	USAF HOSP WILLIAMS	0.5327	0.5531	0.5617	0.5617	0.5617	0.5617	3.8%	1.5%	1.5%	5.4%	1.5%	5.4%
12	97th STRAT HOSP-EAKER	0.5743	0.5638	0.5809	0.5809	0.5809	0.5809	-1.8%	3.0%	3.0%	1.1%	3.0%	1.1%
13	USAF HOSP LITTLE ROCK	0.6623	0.6684	0.6571	0.6571	0.6571	0.6571	0.9%	-1.7%	-1.7%	-0.8%	-1.7%	-0.8%
15	9th STRAT HOSP-BEALE	0.5879	0.5937	0.5681	0.5681	0.5681	0.5681	1.0%	-4.3%	-4.3%	-3.4%	-4.3%	-3.4%
16	USAF HOSP MATHER	0.6812	0.6681	0.7317	0.7317	0.7317	0.7317	-1.9%	9.5%	9.5%	7.4%	9.5%	7.4%
17	93rd STRAT HOSP-CASTLE	0.5698	0.5418	0.5361	0.5361	0.5361	0.5361	-4.9%	-1.0%	-1.0%	-5.9%	-1.0%	-5.9%
18	1st STRAT HOSP-VANDENBERG	0.8302	0.8154	0.6442	0.6442	0.6442	0.6442	-1.8%	-21.0%	-21.0%	-22.4%	-21.0%	-22.4%
19	USAF HOSP EDWARDS	0.6126	0.6046	0.5934	0.5934	0.5934	0.5934	-1.3%	-1.8%	-1.8%	-3.1%	-1.8%	-3.1%
20	831st MED GRP-GEORGE	0.5984	0.5997	0.5817	0.5817	0.5817	0.5817	-1.5%	-1.4%	-1.4%	-2.8%	-1.4%	-2.8%
21	22nd STRAT HOSP-MARCH	0.8064	0.8111	0.7503	0.7503	0.7503	0.7503	0.6%	-7.5%	-7.5%	-7.0%	-7.5%	-7.0%
33	USAF ACADEMY HOSP	0.6810	0.7216	0.6892	0.6892	0.6892	0.6892	6.0%	-4.5%	-4.5%	1.2%	-4.5%	1.2%
36	USAF HOSP DOVER	0.5970	0.5772	0.6126	0.6126	0.6126	0.6126	-3.3%	6.1%	6.1%	2.6%	6.1%	2.6%
42	USAF RGN HOSP EGLIN	0.7221	0.7669	0.7518	0.7518	0.7518	0.7518	6.2%	-2.0%	-2.0%	4.1%	-2.0%	4.1%
43	325th MED GRP-TYNDALL	0.6561	0.6613	0.6801	0.6801	0.6801	0.6801	0.8%	2.9%	2.9%	3.7%	2.9%	3.7%
44	31st MED GRP-HOMESTEAD	0.6593	0.6786	0.6872	0.6872	0.6872	0.6872	2.9%	1.3%	1.3%	4.2%	1.3%	4.2%
45	58th MED GRP-MACDILL	0.6711	0.6852	0.6780	0.6780	0.6780	0.6780	-0.9%	1.9%	1.9%	1.0%	1.9%	1.0%
46	USAF HOSP PATRICK	0.7055	0.7406	0.7999	0.7999	0.7999	0.7999	5.0%	8.0%	8.0%	13.4%	8.0%	13.4%
50	347th MED GRP-MOODY	0.6544	0.6272	0.7271	0.7271	0.7271	0.7271	-4.2%	15.9%	15.9%	11.1%	15.9%	11.1%
51	USAF HOSP ROBINS	0.6505	0.6248	0.6578	0.6578	0.6578	0.6578	-4.0%	5.3%	5.3%	1.1%	5.3%	1.1%
53	366th MED GRP-MOUNTAIN HOME	0.5796	0.5538	0.5916	0.5916	0.5916	0.5916	-4.4%	6.8%	6.8%	2.1%	6.8%	2.1%
54	USAF HOSP CHANUTE	0.8395	0.7873	0.7859	0.7859	0.7859	0.7859	-6.2%	-0.2%	-0.2%	-6.4%	-0.2%	-6.4%
59	384th STRAT HOSP-MCCONNELL	0.7293	0.7368	0.7187	0.7187	0.7187	0.7187	1.0%	-2.7%	-2.7%	-1.7%	-2.7%	-1.7%
62	2nd STRAT HOSP-BARKSDALE	0.6742	0.6771	0.6816	0.6816	0.6816	0.6816	0.4%	0.7%	0.7%	1.1%	0.7%	1.1%
63	23rd MED GRP-ENGLAND	0.6434	0.6624	0.7341	0.7341	0.7341	0.7341	3.0%	10.8%	10.8%	14.1%	10.8%	14.1%
65	42nd STRAT HOSP-LORING	0.5697	0.5745	0.5586	0.5586	0.5586	0.5586	0.8%	-2.8%	-2.8%	-1.9%	-2.8%	-1.9%
71	379th STRAT HOSP-WURTSMITH	0.5530	0.5479	0.6231	0.6231	0.6231	0.6231	-0.9%	13.7%	13.7%	12.7%	13.7%	12.7%
72	410th STRAT HOSP-K.I.SAWYER	0.5523	0.5634	0.5537	0.5537	0.5537	0.5537	2.0%	-1.7%	-1.7%	0.3%	-1.7%	0.3%

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EXHIBIT 2-8: FY88-FY90 AIR FORCE FACILITY VERSION 4 GROUPEK CMI (BY PEER GROUP SORTED ON DMIS ID)
(Continued)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE FY88 TO VERSION 4 CMI		%AGE CHANGE FY89 TO VERSION 4 CMI		%AGE CHANGE FY88 TO FY90	
		VERSION 4 CMI	CMI	VERSION 4 CMI	CMI	VERSION 4 CMI	CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	FY88 TO FY90	FY90 VERSION 4 CMI
74	USAF HOSP COLUMBUS	0.7257		0.6853		0.7318		-5.6%		6.8%			0.8%
76	351st STRAT HOSP-WHITEMAN	0.5828		0.5265		0.5163		-9.7%		-1.9%			-11.4%
77	341st STRAT HOSP-MALMSTROM	0.6427		-----		-----		---		---			---
78	EHRLING BERQUIST RGN HOSP-OFFUTT	0.6730		0.6496		0.6514		-3.5%		0.3%			-3.2%
79	554th MED GRP-NELLIS	0.5999		0.6428		0.6084		7.1%		-5.3%			1.4%
80	509th STRAT HOSP-PEASE	0.6383		0.6190		0.6559		-3.0%		6.0%			2.8%
83	USAF HOSP KIRTLAND	0.8394		0.7830		0.7777		-6.7%		-0.7%			-7.3%
84	833rd MED GRP-HOLLOMAN	0.5793		0.5402		0.5771		-6.7%		6.8%			-0.4%
85	27th MED GRP-CANNON	0.5915		0.5874		0.6105		-0.7%		3.9%			3.2%
87	380th STRAT HOSP-PLATTSBURGH	0.7467		0.7624		0.6951		2.1%		-8.8%			-6.9%
88	416th STRAT HOSP-GRIFFISS	0.5656		0.5333		0.5449		-5.7%		2.2%			-3.7%
90	4th MED GRP-SEYMOUR JOHNSON	0.5594		0.5555		0.5860		-0.7%		5.5%			4.8%
93	842nd STRAT HOSP-GRAND FORKS	0.5400		0.5312		0.5495		-1.6%		3.4%			1.8%
94	857th STRAT HOSP-MINOT	0.6719		0.6407		0.6908		-4.6%		7.8%			2.8%
96	USAF HOSP TINKER	0.6380		0.6217		0.5952		-2.6%		-4.2%			-6.7%
97	USAF HOSP ALTUS	0.6009		0.5829		0.5954		-3.0%		2.1%			-0.9%
101	363rd MED GRP-SHAW	0.6046		0.6003		0.5875		-0.7%		-2.1%			-2.8%
102	354th MED GRP-MYRTLE BEACH	0.7560		0.8018		0.7942		6.1%		-0.9%			5.1%
106	44th STRAT HOSP-ELLSWORTH	0.5616		0.5450		0.5470		-3.0%		0.4%			-2.6%
111	USAF HOSP REESE	0.8018		0.6847		0.6176		-14.8%		-9.8%			-23.0%
112	96th STRAT HOSP-DYESS	0.6088		0.5878		0.5939		-3.4%		1.0%			-2.5%
113	USAF RGN HOSP SHEPPARD	0.8854		0.9167		0.9208		3.5%		0.4%			4.0%
114	USAF HOSP LAUGHLIN	0.5877		0.5511		0.5386		-6.2%		-2.3%			-8.4%
115	67th MED GRP-BERGSTROM	0.7009		0.7560		0.7455		7.9%		-1.4%			6.4%
116	R. THOMPSON STRAT HOSP-CARSWELL	0.7958		0.8119		0.8226		2.0%		1.3%			3.4%
119	USAF HOSP HILL	0.6292		0.6131		0.6308		-2.6%		2.9%			0.2%
120	1st MED GRP-LANGLEY	0.6008		0.5942		0.5465		-1.1%		-8.0%			-9.0%
128	92nd STRAT HOSP-FAIRCHILD	0.6409		0.6595		0.6888		2.9%		4.4%			7.5%
129	90th STRAT HOSP-F.E. WARREN	0.6024		0.5543		0.5725		-8.0%		3.3%			-5.0%
	Total USAF CONUS Community Hospitals	0.6679		0.6624		0.6691		-0.8%		1.0%			0.2%

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EXHIBIT 2-8: FY88-FY90 AIR FORCE FACILITY VERSION 4 GROUPER CMI (BY PEER GROUP SORTED ON DMIS ID)
(Concluded)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE FY88 TO FY89		%AGE CHANGE FY89 TO FY90		%AGE CHANGE FY88 TO FY90	
		VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI
14	DAVID GRANT MED CTR-TRAVIS	1.1743	1.0503	1.0364				-10.6%	-1.3%			-11.7%	
55	USAF MED CTR SCOTT	0.9282	0.9162	0.9242				-1.3%	0.9%			-0.4%	
66	MALCOM GROW MED CTR-ANDREWS	1.0197	0.9187	1.0337				-9.9%	12.5%			1.4%	
73	USAF MED CTR KEESLER	1.1199	1.1348	1.1821				1.3%	4.2%			5.6%	
95	USAF MED CTR WRIGHT-PATTERSON	1.0110	0.9739	1.0835				-3.7%	11.3%			7.2%	
109	BROOKE AMC (JMMC)-FT SAM HOUSTON	1.2968	1.2944	1.3264				-0.2%	2.5%			2.3%	
117	WILFORD HALL MED CTR-LACKLAND	1.3513	1.3172	1.3052				-2.5%	-0.9%			-3.4%	
	Total USAF Medical Centers	1.1889	1.1566	1.1839				-2.7%	2.4%			-0.4%	
626	USAF HOSP BITTURG	0.5638	0.5061	0.5388				-10.2%	6.5%			-4.4%	
627	USAF HOSP HAHN	0.5632	0.5322	0.5202				-5.5%	-2.3%			-7.6%	
628	USAF RGN MED CTR WIESBADEN	0.8224	0.8207	0.8464				-0.2%	3.1%			2.9%	
629	USAF HOSP LAJES	0.5118	0.4630	0.5448				-9.5%	17.7%			6.5%	
630	USAF HOSP TORREJON	0.6574	0.6068	0.6193				-7.7%	2.1%			-5.8%	
631	USAF HOSP HELLENIKON	0.6701	0.6795	0.6793				1.4%	0.0%			1.4%	
632	USAF HOSP UPPER HEYFORD	0.6125	0.5797	0.5880				-5.4%	1.4%			-4.0%	
633	USAF RGN HOSP LAKENHEATH	0.6089	0.6171	0.6404				1.3%	3.8%			5.2%	
634	USAF HOSP IRAKLION	0.5833	0.5746	-----				-1.5%	----			----	
635	USAF HOSP INCIRLIK	0.6353	0.6666	0.6844				4.9%	2.7%			7.7%	
636	13th MED CENTER-CLARK AB	0.8788	0.9738	0.8800				10.8%	-9.6%			0.1%	
637	8th MED GRP-KUNSON AB	0.5926	0.5902	0.9000				-0.4%	52.5%			51.9%	
638	51st MED GRP-OSAN AB	0.7015	0.6703	0.6669				-4.5%	-0.5%			-4.9%	
639	432nd MED GRP-MISAWA	-----	0.5298	0.5413				----	2.2%			----	
640	475th MED GRP-YOKOTA AB	0.6552	0.6406	0.6466				-2.2%	0.9%			-1.3%	
	Total USAF Overseas Hospitals	0.7170	0.7207	0.7072				0.5%	-1.9%			-1.4%	
	Total All USAF Facilities	0.8421	0.8404	0.8567				-0.2%	1.9%			1.7%	

EXHIBIT 2-9: FY88-FY90 ARMY FACILITY VERSION 4 GROUPER CMI (BY PEER GROUP SORTED ON FY88 TO FY90 PERCENTGE CHANGE)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE FY88 TO FY89		%AGE CHANGE FY89 TO FY90		%AGE CHANGE FY88 TO FY90	
		VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI
58	MUNSON AH-FT LEAVENWORTH	0.6822	0.7471	0.8275	9.5%	10.8%	21.3%						
60	BLANCHFIELD ACH-FT CAMPBELL	0.7221	0.7318	0.8310	1.3%	13.6%	15.1%						
105	MONCRIEF AH-FT JACKSON	0.7427	0.7473	0.8367	0.6%	12.0%	12.7%						
98	REYNOLDS AH-FT SILL	0.6709	0.6989	0.7439	4.2%	6.4%	10.9%						
294	HAWLEY AH-FT B. HARRISON	0.6337	0.6848	0.6767	8.1%	-1.2%	6.8%						
8	BLISS AH-FT HUACHUCA	0.6865	0.6598	0.7201	-3.9%	9.2%	4.9%						
5	BASSETT ACH-FT WAINWRIGHT	0.5873	0.5975	0.6131	1.7%	2.6%	4.4%						
3	LYSTER AH-FT RUCKER	0.6589	0.6605	0.6838	0.2%	3.5%	3.8%						
57	IRWIN AH-FT RILEY	0.6593	0.6910	0.6797	4.8%	-1.6%	3.1%						
48	MARTIN AH-FT BENNING	0.8184	0.7868	0.8417	-3.9%	7.0%	2.9%						
86	KELLER AH-WEST POINT	0.6806	0.6547	0.6972	-3.8	6.5%	2.4%						
75	WOOD AH-FT LEONARD WOOD	0.7174	0.7381	0.7347	2.9%	-0.5%	2.2%						
122	KENNER AH-FT LEE	0.7160	0.7789	0.7320	8.8%	-6.0%	1.0%						
89	WOMACK AH-FT BRAGG	0.7290	0.7093	0.7360	-2.7%	3.8%	0.1%						
121	MCDONALD AH-FT EUSTIS	0.7118	0.7319	0.7129	2.8%	-2.6%	0.0%						
61	IRELAND AH-FT KNOX	0.7188	0.7306	0.7191	1.7%	-1.6%	-0.4%						
69	KIMBROUGH AH-FT MEADE	0.8550	0.7993	0.8512	-6.5%	6.5%	-1.0%						
23	HAYS AH-FT ORD	0.6770	0.6572	0.6704	-2.9%	2.0%	-1.1%						
2	NOBLE AH-FT MCCLELLAN	0.7289	0.7277	0.7207	-0.2%	-1.0%	-1.3%						
123	DEWITT AH-FT BELVOIR	0.6601	0.6361	0.6517	-3.6%	2.5%	-1.8%						
64	BAYNE-JONES AH-FT POLK	0.6352	0.6330	0.6239	-0.3%	-1.4%	-2.4%						
110	DARNALL AH-FT HOOD	0.6561	0.6273	0.6401	-4.4%	2.0%	-3.3%						
131	WEED ACH-FT IRWIN	0.5601	0.6032	0.5416	7.7%	-10.2%	-3.4%						
49	WINN AH-FT STEWART	0.6665	0.6284	0.6436	-5.7%	2.4%	-4.3%						
32	EVANS AH-FT CARSON	0.6976	0.6678	0.6677	-4.3%	0.0%	-4.3%						
1	FOX AH-REDSTONE ARSENAL	0.8048	0.7783	0.7656	-3.3%	-1.6%	-4.9%						
81	PATTERSON AH-FT MONMOUTH	0.8300	0.7460	0.7467	-10.1%	0.1%	-10.0%						
70	CUTLER AH-FT DEVENS	0.7829	0.7195	0.7036	-8.1%	-2.2%	-10.1%						
82	WALSON AH-FT DIX	0.9371	0.7919	0.7880	-15.5%	-0.5%	-15.9%						
330	WILCOX AH/C FT DRUM	-----	0.5250	0.4000	----	-23.8%	----						
Total Army CONUS Community Hospitals		0.7106	0.6986	0.7184	-1.7%	2.8%	1.1%						

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EXHIBIT 2-9: FY88-FY90 ARMY FACILITY VERSION 4 GROUPER CMI (BY PEER GROUP SORTED ON FY88 TO FY90 PERCENTGE CHANGE)
(Concluded)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE FY88 TO FY89		%AGE CHANGE FY89 TO FY90		%AGE CHANGE FY88 TO FY90	
		VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI
108	WILLIAM BEAUMONT AMC-FT BLISS	0.8679	0.8484	0.9870				-2.2%	16.3%			13.7%	
31	FITZSIMONS AMC-DENVER	1.2678	1.2563	1.3723				-0.9%	9.2%			8.2%	
47	EISENHOWER AMC-FT GORDON	1.0667	1.1048	1.1247				3.6%	1.8%			5.4%	
52	TRIPLER AMC-FT SHAFTER	0.9120	0.9045	0.9543				-0.8%	5.5%			4.6%	
22	LETTERMAN AMC-PRESIDIO OF SF	1.4130	1.4572	1.4636				3.1%	0.4%			3.6%	
125	MADIGAN AMC-FT LEWIS	0.8942	0.8943	0.9184				0.0%	2.7%			2.7%	
37	WALTER REED AMC-WASHINGTON	1.4692	1.4071	1.4693				-4.2%	4.4%			0.0%	
	Total Army Medical Centers	1.0985	1.0864	1.1659				-1.1%	7.3%			6.1%	
608	98th GENERAL HOSP-NURNBERG	0.6512	0.6791	0.7933				4.3%	16.8%			21.5%	
607	2nd GENERAL HOSP-LANDS-TUHL	0.8421	0.8781	0.9079				4.3%	3.4%			7.8%	
613	GORGAS ACH	0.7925	0.8282	0.8504				4.5%	2.7%			7.3%	
614	196TH STATION HOSP-SHAPE	0.6276	0.6219	0.6673				-0.9%	7.3%			6.3%	
612	121st EVACUATION HOSP-SEOUL	0.7469	0.7268	0.7822				-2.7%	7.6%			4.7%	
605	97th GENERAL HOSP-FRANKFURT	0.7453	0.7608	0.7775				2.1%	2.2%			4.3%	
603	AH BERLIN	0.6802	0.6564	0.7089				-3.5%	8.0%			4.2%	
602	5th GENERAL HOSP-BAD CANNSTATT	0.7820	0.7600	0.7857				-0.3%	3.4%			3.1%	
606	130th STATN HOSP-HEIDELBERG	0.6558	0.6628	0.6740				1.1%	1.7%			2.8%	
611	45th FIELD HOSP-VICENZA	0.6219	0.6356	0.6208				2.2%	-0.3%			-0.2%	
604	2nd FIELD HOSP-BREMERHAVEN	0.6407	0.6145	0.6343				-4.1%	3.2%			-1.0%	
609	67th EVACUATION HOSP-WURZBURG	0.5940	0.6064	0.5819				2.1%	-4.0%			-2.0%	
601	34th GENERAL HOSP-AUGSBURG	0.7597	0.7242	0.7419				-4.7%	2.4%			-2.3%	
	Total Army Overseas Hospitals	0.7306	0.7439	0.7719				1.8%	3.8%			5.7%	
	Total All Army Facilities	0.8457	0.8389	0.8800				-0.8%	4.9%			4.1%	

EXHIBIT 2-10: FY88-FY90 NAVY FACILITY VERSION 4 GROUPER CMI (BY PEER GROUP SORTED ON FY88 TO FY90 PERCENTAGE CHANGE)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE		%AGE CHANGE		%AGE CHANGE	
		VERSION 4	CMI	VERSION 4	CMI	VERSION 4	CMI	FY88 TO	FY89	VERSION 4 CMI	FY90	VERSION 4 CMI	FY90
35	NH GROTON	0.6500	0.7184		0.7736			9.1%		7.7%		17.5%	
56	NH GREAT LAKES	0.8357	0.7665		0.9236			-8.3%		20.5%		10.5%	
38	NH PENSACOLA	0.7807	0.8954		0.8299			14.7%		-7.3%		6.3%	
25	NH LONG BEACH	0.9008	0.8707		0.9548			-3.3%		9.7%		6.0%	
39	NH JACKSONVILLE	0.6814	0.6932		0.7202			1.7%		3.9%		5.7%	
30	BRH MGAGCC TWENTY NINE PALMS	0.5034	0.5062		0.5317			0.6%		5.0%		5.6%	
92	NH CHERRY POINT	0.4854	0.5007		0.5124			3.1%		2.3%		5.6%	
91	NH CAMP LEJEUNE	0.7018	0.6651		0.7323			-5.2%		10.1%		4.3%	
103	NH CHARLESTON	0.7134	0.7082		0.7442			-0.7%		5.1%		4.3%	
104	NH BEAUFORT	0.7226	0.7370		0.7440			2.0%		0.9%		3.0%	
28	NH LEMOORE	0.5921	0.5443		0.6019			-8.1%		10.6%		1.7%	
100	NH NEWPORT	0.7984	0.7957		0.7972			-0.3%		0.2%		-0.2%	
7	BRH NAVSTA ADAK	0.5648	0.5510		0.5568			-2.4%		1.1%		-1.4%	
24	NH CAMP PENDLETON	0.7540	0.7322		0.7342			-2.9%		0.3%		-2.6%	
68	NH PATUXENT RIVER	0.5223	0.5426		0.5015			3.9%		-7.6%		-4.0%	
126	NH BREMERTON	0.7520	0.7164		0.7192			-4.7%		0.4%		-4.4%	
127	NH OAK HARBOR	0.5591	0.5504		0.5292			-1.5%		-3.8%		-5.3%	
40	NH ORLANDO	0.7864	0.7510		0.7322			-4.5%		-2.5%		-6.9%	
107	NH MILLINGTON	0.6863	0.6746		0.6378			-1.7%		-5.5%		-7.1%	
99	NH PHILADELPHIA	0.7867	0.7863		0.7246			0.0%		-7.9%		-7.9%	
118	NH CORPUS CHRISTI	0.9207	0.8022		0.8378			-12.9%		4.4%		-9.0%	
Total Navy CONUS Community Hospitals		0.7234	0.7136		0.7370			-1.4%		3.3%		1.9%	
27	NH OAKLAND	0.8741	0.8688		0.9064			-0.6%		4.3%		3.7%	
67	NH BETHESDA	1.1223	0.9926		1.1197			-11.6%		12.8%		-0.2%	
29	NH SAN DIEGO	0.9551	0.9291		0.9360			-2.7%		0.7%		-2.0%	
124	NH PORTSMOUTH	0.9252	0.8583		0.8457			-7.2%		-1.5%		-8.6%	
Total Navy Medical Centers		0.9629	0.9068		0.9372			-5.8%		3.4%		-2.7%	

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EXHIBIT 2-10: FY88-FY90 NAVY FACILITY VERSION 4 GROUPE CMI (BY PEER GROUP SORTED ON FY88
TO FY90 PERCENTAGE CHANGE)
(Concluded)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE FY88 TO FY89		%AGE CHANGE FY89 TO FY90		%AGE CHANGE FY88 TO FY90	
		VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI
618	NH ROTA	0.6036	0.6504	0.9227	7.7%	41.9%	52.9%						
624	BRH USNAF, SIGONELLA	0.4633	0.4304	0.5175	-7.1%	20.2%	11.7%						
616	NH ROOSEVELT ROADS-CEIBA	0.6531	0.6949	0.7051	6.4%	1.5%	8.0%						
620	NH GUAM-AGANA	0.6449	0.6679	0.6816	3.6%	2.0%	5.7%						
619	NH SUBIC BAY	0.6600	0.6605	0.6779	0.1%	2.6%	2.7%						
615	NH GUANTANAMO BAY	0.6092	0.6099	0.6134	0.1%	0.6%	0.7%						
622	NH YOKOSUKA	0.7052	0.6881	0.7092	-5.3%	6.2%	0.6%						
617	NH NAPLES	0.6178	0.5983	0.6043	-3.2%	1.0%	-2.2%						
621	NH OKINAWA	0.7049	0.6496	0.6653	-7.8%	2.4%	-5.6%						
623	NH KEFLAVIK	0.6292	0.6057	0.5577	-3.7%	-7.9%	-11.4%						
Total Navy Overseas Hospitals		0.6629	0.6543	0.6874	-1.3%	5.0%	3.7%						
Total All Navy Facilities		0.8107	0.7811	0.8158	-3.7%	4.4%	0.6%						

EXHIBIT 2-11: FY88-FY90 AIR FORCE FACILITY VERSION 4 GROUPER CMI (BY PEER GROUP SORTED ON
FY88 TO FY90 PERCENTAGE CHANGE)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE FY88 TO FY89		%AGE CHANGE FY89 TO FY90		%AGE CHANGE FY88 TO FY90	
		VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI		
63	23rd MED GRP-ENGLAND	0.6434	0.6524	0.7341	3.0%	10.8%	14.1%						
46	USAF HOSP PATRICK	0.7055	0.7408	0.7999	5.0%	8.0%	13.4%						
71	379th STRAT HOSP-WURTSMITH	0.5530	0.5479	0.6231	-0.9%	13.7%	12.7%						
50	347th MED GRP-MOODY	0.6544	0.6272	0.7271	-4.0%	15.9%	11.1%						
128	92nd STRAT HOSP-FAIRCHILD	0.6409	0.6595	0.6888	2.9%	4.4%	7.5%						
16	USAF HOSP MATHER	0.6812	0.6681	0.7317	-1.9%	9.5%							
115	67th MED GRP-BERGSTROM	0.7009	0.7560	0.7455	7.9%	-1.4%	6.4%						
11	USAF HOSP WILLIAMS	0.5327	0.5531	0.5817	3.8%	1.5%	5.4%						
102	354th MED GRP-MYRTLE BEACH	0.7560	0.8018	0.7942	6.1%	-0.9%	5.1%						
90	4th MED GRP-SEYMOUR JOHNSON	0.5594	0.5555	0.5860	-0.7%	5.5%	4.8%						
44	31st MED GRP-HOMESTEAD	0.6593	0.6786	0.6872	2.9%	1.3%	4.2%						
42	USAF RGN HOSP EGLIN	0.7221	0.7669	0.7518	6.2%	-2.0%	4.1%						
113	USAF RGN HOSP SHEPPARD	0.8854	0.9167	0.9208	3.5%	0.4%	4.0%						
43	325th MED GRP-TYNDALL	0.6561	0.6613	0.6801	0.8%	2.9%	3.7%						
116	R. THOMPSON STRAT HOSP-CARSWELL	0.7956	0.8119	0.8226	2.0%	1.3%	3.4%						
85	27th MED GRP-CANNON	0.5915	0.5874	0.6105	-0.7%	3.9%	3.2%						
94	857th STRAT HOSP-MINOT	0.6719	0.6407	0.6908	-4.6%	7.8%	2.8%						
80	509th STRAT HOSP-PEASE	0.6383	0.6190	0.6559	-3.0%	6.0%	2.8%						
36	USAF HOSP DOVER	0.5970	0.5772	0.6126	-3.3%	6.1%	2.6%						
53	366th MED GRP-MOUNTAIN HOME	0.5796	0.5638	0.5916	-4.4%	6.8%	2.1%						
93	842nd STRAT HOSP-GRAND FORKS	0.5400	0.5312	0.5495	-1.6%	3.4%	1.8%						
79	554th MED GRP-NELLIS	0.5999	0.6428	0.6084	7.1%	-5.3%	1.4%						
4	AIR UNIVERSITY RGN HOSP-MAXWELL	0.7536	0.7236	0.7628	-4.0%	5.4%	1.2%						
33	USAF ACADEMY HOSP	0.6810	0.7216	0.6892	6.0%	-4.5%	1.2%						
12	97th STRAT HOSP-EAKER	0.5743	0.5638	0.5809	-1.8%	3.0%	1.1%						
51	USAF HOSP ROBINS	0.6505	0.6248	0.6578	-4.0%	5.3%	1.1%						
62	2nd STRAT HOSP-WARRENDALE	0.6742	0.6771	0.6818	0.4%	0.7%	1.1%						
45	56th MED GRP-MACDILL	0.6711	0.6652	0.6780	-0.9%	1.9%	1.0%						
74	USAF HOSP COLUMBUS	0.7257	0.6853	0.7318	-5.6%	6.8%	0.8%						
9	832nd MED GRP-LUKE	0.6695	0.6668	0.6714	-0.4%	0.7%	0.3%						
72	410th STRAT HOSP-KILSAWYER	0.5523	0.5634	0.5537	2.0%	-1.7%	0.3%						
119	USAF HOSP HILL	0.6292	0.6131	0.6308	-2.6%	2.9%	0.2%						
10	838th MED GRP-DAVIS MONTHAN	0.6635	0.6278	0.6633	-5.4%	5.7%	0.0%						

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EXHIBIT 2-11: FY88-FY90 AIR FORCE FACILITY VERSION 4 GROUPER CMI (BY PEER GROUP SORTED ON
FY88 TO FY90 PERCENTAGE CHANGE)
(Continued)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE FY88 TO FY89		%AGE CHANGE FY89 TO FY90		%AGE CHANGE FY88 TO FY90	
		VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI		
84	833rd MED GRP-HOLLOMAN	0.5793	0.5402	0.5771	-6.7%	6.8%	-0.4%						
13	USAF HOSP LITTLE ROCK	0.6623	0.6684	0.6671	0.9%	-1.7%	-0.8%						
97	USAF HOSP ALTUS	0.6009	0.5829	0.5954	-3.0%	2.1%	-0.9%						
59	384th STRAT HOSP-MCCONNELL	0.7293	0.7368	0.7167	1.0%	-2.7%	-1.7%						
65	42nd STRAT HOSP-LORING	0.5697	0.5745	0.5586	0.8%	-2.8%	-1.9%						
112	96th STRAT HOSP-DYESS	0.6088	0.5878	0.5939	-3.4%	1.0%	-2.5%						
106	44th STRAT HOSP-ELLSWORTH	0.5816	0.5450	0.5470	-3.0%	0.4%	-2.6%						
20	831st MED GRP-GEORGE	0.5984	0.5897	0.5817	-1.5%	-1.4%	-2.8%						
101	363rd MED GRP-SHAW	0.6046	0.6003	0.5875	-0.7%	-2.1%	-2.8%						
19	USAF HOSP EDWARDS	0.6126	0.6046	0.5934	-1.3%	-1.8%	-3.1%						
78	EHRING BERQUIST RGN HOSP-OFFUTT	0.6730	0.6496	0.6514	-3.5%	0.3%	-3.2%						
15	9th STRAT HOSP-BEALE	0.5879	0.5937	0.5681	1.0%	-4.3%	-3.4%						
88	418th STRAT HOSP-GRIFFISS	0.5656	0.5333	0.5449	-5.7%	2.2%	-3.7%						
120	80th STRAT HOSP-F.E. WARREN	0.6024	0.5543	0.5725	-8.0%	3.3%	-5.0%						
17	93rd STRAT HOSP-CASTLE	0.5698	0.5418	0.5361	-4.9%	-1.0%	-5.9%						
54	USAF HOSP CHANUTE	0.8395	0.7873	0.7859	-6.2%	-0.2%	-6.4%						
96	USAF HOSP TINKER	0.6380	0.6217	0.5952	-2.6%	-4.2%	-6.7%						
87	380th STRAT HOSP-PLATTSBURGH	0.7467	0.7624	0.6951	2.1%	-8.8%	-6.9%						
21	22nd STRAT HOSP-MARCH	0.8064	0.8111	0.7503	0.6%	-7.5%	-7.0%						
83	USAF HOSP KIRTLAND	0.8394	0.7830	0.7777	-6.7%	-0.7%	-7.3%						
6	USAF HOSP ELMENDORF	0.7551	0.7182	0.6943	-4.9%	-3.3%	-8.1%						
114	USAF HOSP LAUGHLIN	0.5877	0.5511	0.5386	-6.2%	-2.3%	-8.4%						
120	1st MED GRP-LANGLEY	0.6008	0.5942	0.5465	-1.1%	-8.0%	-9.0%						
76	351st STRAT HOSP-WHITEMAN	0.5828	0.5265	0.5163	-9.7%	-1.9%	-11.4%						
18	1st STRAT HOSP-VANDENBERG	0.8302	0.8154	0.8442	-1.8%	-21.0%	-22.4%						
111	USAF HOSP REESE	0.8018	0.6847	0.6176	-14.6%	-9.8%	-23.0%						
77	341st STRAT HOSP-MALMSTROM	0.6427	-----	++++	---	---	---						
Total USAF Community Hospitals		0.6679	0.6624	0.6691	-0.8%	1.0%	0.2%						
95	USAF MED CTR WRIGHT-PATTERSON	1.0110	0.9739	1.0835	-3.7%	11.3%	7.2%						
73	USAF MED CTR KEESLER	1.1199	1.1348	1.1821	1.3%	4.2%	5.6%						
108	BROOKE AMC (JMMC)-FT SAM HOUSTON	1.2988	1.2944	1.3264	-0.2%	2.5%	2.3%						

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EXHIBIT 2-11: FY88-FY90 AIR FORCE FACILITY VERSION 4 GROUPER CMI (BY PEER GROUP SORTED ON
FY88 TO FY90 PERCENTAGE CHANGE)
(Concluded)

DMIS ID	FACILITY	FY88		FY89		FY90		%AGE CHANGE FY88 TO FY90		%AGE CHANGE FY88 TO FY90	
		VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI	VERSION 4 CMI
66	MALCOM GROW MED CTR-ANDREWS	1.0197	0.9187	1.0337	0.937	1.0337	0.937	12.5%	12.5%	1.4%	1.4%
65	USAF MED CTR SCOTT	0.9282	0.9162	0.9242	0.9242	0.9242	0.9242	0.9%	0.9%	-0.4%	-0.4%
117	WILFORD HALL MED CTR-LACKLAND	1.3513	1.3172	1.3052	1.3052	1.3052	1.3052	-0.9%	-0.9%	-3.4%	-3.4%
14	DAVID GRANT MED CTR-TRAVIS	1.1743	1.0503	1.0364	1.0364	1.0364	1.0364	-10.6%	-1.3%	-11.7%	-11.7%
Total USAF Medical Centers		1.1889	1.1566	1.1839	1.1839	1.1839	1.1839	-2.7%	2.4%	-	-
637	8th MED GRP-KUNSON AB	0.5926	0.5902	0.9000	0.9000	0.9000	0.9000	-0.4%	52.5%	51.9%	51.9%
635	USAF HOSP INCIRLIK	0.6353	0.6666	0.6844	0.6844	0.6844	0.6844	4.9%	2.7%	7.7%	7.7%
629	USAF HOSP LAJES	0.5118	0.4630	0.5448	0.5448	0.5448	0.5448	-9.5%	17.7%	6.5%	6.5%
633	USAF RGN HOSP LAKENHEATH	0.6089	0.6171	0.6404	0.6404	0.6404	0.6404	1.3%	3.8%	5.2%	5.2%
628	USAF RGN MED CTR WIESBADEN	0.8224	0.8207	0.8464	0.8464	0.8464	0.8464	-0.2%	3.1%	2.9%	2.9%
631	USAF HOSP HELLENIKON	0.6701	0.6795	0.6793	0.6793	0.6793	0.6793	1.4%	0.0%	1.4%	1.4%
636	13th MED CENTER-CLARK AB	0.8788	0.9738	0.8900	0.8900	0.8900	0.8900	10.8%	-8.6%	0.1%	0.1%
640	475th MED GRP-YOKOTA AB	0.6552	0.6406	0.6466	0.6466	0.6466	0.6466	-2.2%	0.9%	-1.3%	-1.3%
632	USAF HOSP UPPER HEYFORD	0.6125	0.5797	0.5880	0.5880	0.5880	0.5880	-5.4%	1.4%	-4.0%	-4.0%
626	USAF HOSP BITBURG	0.5638	0.5061	0.5388	0.5388	0.5388	0.5388	-10.2%	6.5%	-4.4%	-4.4%
638	51st MED GRP-OSAN AB	0.7015	0.6703	0.6669	0.6669	0.6669	0.6669	-4.5%	-0.5%	-4.9%	-4.9%
630	USAF HOSP TORREJON	0.6574	0.6068	0.6193	0.6193	0.6193	0.6193	-7.7%	2.1%	-5.8%	-5.8%
627	USAF HOSP HAHN	0.5832	0.5322	0.5202	0.5202	0.5202	0.5202	-5.5%	-2.3%	-7.5%	-7.5%
634	USAF HOSP IRAKLIJON	0.5833	0.5745	0.5745	0.5745	0.5745	0.5745	-1.5%	---	---	---
639	432th MED GRP-MSAWA	0.5413	0.5298	0.5413	0.5413	0.5413	0.5413	---	2.2%	---	---
Total USAF Overseas Hospitals		0.7170	0.7207	0.7072	0.7072	0.7072	0.7072	0.5%	-1.9%	-1.4%	-1.4%
Total All USAF Facilities		0.8421	0.8404	0.8567	0.8567	0.8567	0.8567	-0.2%	1.9%	1.7%	1.7%

AB, greater than a 30% decline in bed days and dispositions between FY89 and FY91 was reported, which again may be due to a change in available services. Any substantial modification in services provided at an MTF may result in a change in the observed case-mix complexity.

In summary, CMIs appear to have been relatively stable over time. Relative stability was observed at the Service branch, model peer group, and facility level. Having reviewed the stability of CMIs using the Version 4 DRG Grouper, chapter 3.0 examines the impact of updating to the Version 8 DRG Grouper and associated weights and trim points to compute RWPs, CMIs, and IWUs.



3.0 COMPARISON OF VERSION 4 AND VERSION 8 DRG GROUPER CMIs

This chapter provides a comparison of case mix indices (CMIs) computed using the Version 4 and Version 8 Diagnosis Related Group (DRG) Grouper software with associated weights and DoD assigned trim points. The Version 8 DRG Grouper and associated updates will be used to compute FY91 relative weighted products (RWPs), CMIs, and inpatient work units (IWUs). The purpose of this chapter is to evaluate the impact of implementing the Version 8 DRG Grouper at the Service branch and facility level. Section 3.1 summarizes the differences between the Version 4 and Version 8 DRG Groupers and provides analysis at the DRG level to aid in evaluating changes at the Service and facility level. Section 3.2 provides an analysis of changes in CMIs at the Service branch, model peer group, and facility level. Lastly, section 3.3 presents a methodology for preserving the comparability of IWUs as groupers are updated.

3.1 SUMMARY OF VERSION 4 AND VERSION 8 DRG GROUPER DIFFERENCES

This section presents a comparison of the Version 4 and Version 8 Grouper DRGs, case weights, and DoD trim points. Exhibit 3-1 provides a description of each DRG with associated weights and trim points. The Version 4 DRG Grouper weights and trim points are as presented in the Fiscal Year 1988 Diagnosis Related Groups Resource Allocation Guidance. The Version 8 DRG Grouper employs CHAMPUS weights¹ with some modifications. Modifications were made for the following sets of DRGs:

- DRGs for which CHAMPUS directly adopted Medicare weights; and
- DRGs for which CHAMPUS does not reimburse according to DRGs.

¹CHAMPUS weights were published in the *Federal Register*, Vol. 55, No. 214, Monday, November 5, 1990, pp. 46547-46557.

EXHIBIT 3-1: VERSION 4 AND VERSION 8 DRG GROUPER WEIGHTS AND DOD TRIM POINTS

DRG	DESCRIPTION	VERSION 4				VERSION 8				DIFFERENCE IN LOW CUTPOINTS	DIFFERENCE IN HIGH CUTPOINTS	PERCENTAGE DIFFERENCE GLOS	PERCENTAGE DIFFERENCE IN WEIGHT
		LOW CUTPOINT	HIGH CUTPOINT	DRG WEIGHT	DRG WEIGHT	LOW CUTPOINT	HIGH CUTPOINT	DRG WEIGHT	DRG WEIGHT				
1	CRANIOTOMY AGE >17 EXCEPT FOR TRAUMA	5	33	16.71	3.61	5	33	16.10	3.83	0	0	0	6.20%
2	CRANIOTOMY FOR TRAUMA AGE >17	2	27	10.46	4.45	2	26	9.50	4.72	0	1	9.10%	6.14%
3	CRANIOTOMY AGE 0-17	2	25	8.49	2.36	2	25	8.30	2.81	0	0	2.14%	17.69%
4	SPINAL PROCEDURES	3	28	11.17	2.14	3	27	10.80	2.12	0	1	3.14%	1.13%
5	EXTRACRANIAL VASCULAR PROCEDURES	3	23	8.03	1.70	3	23	8.00	1.74	0	0	0.40%	1.82%
6	CARPAL TUNNEL RELEASE	1	2	1.30	0.54	1	2	1.30	0.66	0	0	0.30%	22.47%
7	PERIPHERAL NERVE & OTHER NERV SYST PROC W/O CC	1	22	5.85	2.83	1	23	6.60	2.38	0	1	12.83%	15.97%
8	PERIPHERAL NERVE & OTHER NERV SYST PROC W/O CC	1	8	2.10	0.86	1	8	2.10	0.89	0	0	0.11%	3.94%
9	SPINAL DISORDERS & INJURIES	1	21	4.12	2.03	1	20	3.90	3.21	0	1	5.26%	58.10%
10	NERVOUS SYSTEM NEOPLASMS W/O CC	2	24	7.05	1.22	1	24	7.10	1.57	-1	0	0.67%	28.09%
11	NERVOUS SYSTEM NEOPLASMS W/O CC	1	20	3.93	0.88	1	21	4.10	0.98	0	1	4.29%	10.75%
12	DEGENERATIVE NERVOUS SYSTEM DISORDERS	1	21	4.59	1.82	1	21	4.60	1.97	0	0	0.29%	21.91%
13	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA	1	21	4.35	0.98	1	21	4.40	0.92	0	0	1.19%	5.36%
14	SPECIFIC CEREBROVASCULAR DISORDERS EXCEPT TIA	2	23	6.41	1.46	2	23	6.40	1.54	0	0	-0.15%	5.24%
15	TRANSIENT ISCHEMIC ATTACKS AND PRECEREBRAL OCCLUSIONS	1	14	3.42	0.75	1	14	3.40	0.74	0	0	-0.68%	-0.54%
16	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC	1	22	5.73	1.26	1	23	6.30	1.69	0	1	9.97%	33.67%
17	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC	1	18	3.15	0.77	1	17	3.10	1.06	0	-1	-1.72%	38.11%
18	CEREBRAL & PERIPHERAL NERVE DISORDERS W/O CC	1	22	5.44	1.20	1	22	5.30	0.93	0	0	-2.51%	-22.97%
19	CEREBRAL & PERIPHERAL NERVE DISORDERS W/O CC	1	20	3.37	0.72	1	20	3.20	0.70	0	0	-5.09%	2.68%
20	NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS	2	23	6.54	1.40	2	23	6.90	1.84	0	0	5.56%	31.72%
21	VIRAL MENINGITIS	2	9	3.15	0.56	2	9	3.10	0.63	0	0	-1.45%	8.34%
22	HYERTENSIVE ENCEPHALOPATHY	2	15	3.97	0.74	2	15	4.00	0.92	0	0	0.70%	10.19%
23	NONTRAUMATIC STUPOR & COMA	1	14	2.89	0.96	1	15	2	0.84	0	1	0.22%	-28.12%
24	SEIZURE & HEADACHE AGE >17 W/O CC	1	16	3.44	0.92	1	17	3.40	0.84	0	1	-1.04%	8.43%
25	SEIZURE & HEADACHE AGE >17 W/O CC	1	10	2.44	0.57	1	11	2.50	0.54	0	1	2.51%	-5.06%
26	SEIZURE & HEADACHE AGE 0-17	1	5	1.71	0.47	1	5	1.70	0.54	0	0	-0.82%	13.68%
27	TRAUMATIC STUPOR & COMA, COMA >1 HR	1	11	2.03	1.84	1	8	1.90	2.25	0	-3	-6.33%	22.48%
28	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W/O CC	1	17	2.56	1.26	1	13	2.20	1.29	0	-4	-14.08%	2.55%
29	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W/O CC	1	5	1.54	0.63	1	6	1.70	1.24	0	1	10.22%	96.91%
30	TRAUMATIC STUPOR & COMA <1 HR AGE 0-17	1	2	1.16	0.40	1	2	1.20	0.60	0	0	3.05%	47.33%
31	CONCUSSION AGE >17 W/O CC	1	5	1.67	0.72	1	5	1.70	0.63	0	0	1.66%	-12.76%
32	CONCUSSION AGE >17 W/O CC	1	3	1.37	0.40	1	3	1.40	0.45	0	0	2.03%	13.09%
33	CONCUSSION AGE 0-17	1	2	1.14	0.23	1	2	1.10	0.29	0	0	-3.57%	23.27%
34	OTHER DISORDERS OF NERVOUS SYSTEM W/O CC	1	20	3.79	1.75	1	20	4.00	2.10	0	0	5.48%	20.37%
35	OTHER DISORDERS OF NERVOUS SYSTEM W/O CC	1	16	2.63	0.65	1	16	2.60	1.12	0	0	-1.20%	73.00%
36	RETINAL PROCEDURES	1	19	4.37	0.81	1	19	4.30	0.79	0	0	-1.53%	2.64%
37	ORBITAL PROCEDURES	1	18	3.40	0.81	1	18	3.40	0.87	0	0	0.05%	7.40%
38	PRIMARY IRIS PROCEDURES	1	7	1.75	0.45	1	7	1.80	0.36	0	0	2.99%	-18.95%
39	LENS PROCEDURES WITH OR WITHOUT VITRECTOMY	1	3	1.67	0.70	1	3	1.70	0.72	0	0	2.05%	4.11%
40	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE >17	1	3	1.46	0.49	1	3	1.50	0.61	0	0	2.90%	26.72%
41	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE 0-17	1	2	1.15	0.43	1	2	1.20	0.49	0	0	4.38%	14.76%
42	INTRAOCULAR PROCEDURES EXCEPT RETINA, IRIS & LENS	1	16	3.30	0.79	1	16	3.30	0.83	0	0	-0.01%	4.47%
43	HYPERHYPHMA	2	11	3.63	0.31	2	11	3.60	0.28	0	0	-0.83%	-8.30%
44	ACUTE MAJOR EYE INFECTIONS	2	7	2.94	0.47	2	8	2.90	0.47	0	1	-1.26%	-0.49%
45	NEUROLOGICAL EYE DISORDERS	1	16	3.15	0.55	1	16	3.10	0.61	0	0	-1.45%	11.54%
46	OTHER DISORDERS OF THE EYE AGE >17 W/O CC	1	14	2.67	0.66	1	14	2.50	0.82	0	0	-6.29%	19.99%
47	OTHER DISORDERS OF THE EYE AGE >17 W/O CC	1	9	2.02	0.60	1	9	2.00	0.51	0	0	-0.87%	-15.18%
48	OTHER DISORDERS OF THE EYE AGE 0-17	1	5	1.74	0.50	1	5	1.70	0.44	0	0	-2.55%	-11.60%
49	MAJOR HEAD & NECK PROCEDURES	4	36	19.12	2.76	2	23	6.20	2.29	2	-13	-67.56%	-16.89%
50	SILOADENECTOMY	2	8	3.56	0.77	2	8	3.60	0.73	0	0	1.10%	-4.41%
51	SALIVARY GLAND PROCEDURES EXCEPT SALIVADENECTOMY	1	8	2.50	0.66	1	8	2.30	0.59	0	0	-8.04%	-11.93%
52	CLEFT LIP & PALATE REPAIR	2	9	3.24	0.69	2	9	3.10	0.72	0	0	-4.22%	3.96%
53	SINUS & MASTOID PROCEDURES AGE >17	1	8	2.56	0.75	1	8	2.50	0.70	0	0	-2.29%	-7.00%

Continued

EXHIBIT 1: VERSION 4 AND VERSION 8 DRG GROUPER WEIGHTS AND DoD TRIM POINTS (CONTINUED)

DRG	DESCRIPTION	VERSION 4				VERSION 8				DIFFERENCE		PERCENTAGE	
		LOW	HIGH	CUTPOINT	DRG WEIGHT	LOW	HIGH	CUTPOINT	DRG WEIGHT	IN LOW	IN HIGH	DIFFERENCE	DIFFERENCE
54	SINUS & MASTOID PROCEDURES AGE 0-17	1	6	6	2.20	1	6	6	2.20	0	0	0	7.27%
55	MISCELLANEOUS EAR, NOSE & THROAT PROCEDURES	1	4	4	1.79	1	4	4	1.80	0	0	0	18.04%
56	RHINOPLASTY	1	4	4	1.88	1	4	4	1.90	0	0	0	12.59%
57	T & A PROC, EXCEPT TONSILLECTOMY & OR ADENOIDECTOMY ONLY, AGE 0-17	1	7	7	2.40	1	7	7	2.40	0	0	0	25.36%
58	T & A PROC, EXCEPT TONSILLECTOMY & OR ADENOIDECTOMY ONLY, AGE 0-17	1	2	2	1.28	1	2	2	1.30	0	0	0	16.52%
59	TONSILLECTOMY & OR ADENOIDECTOMY ONLY, AGE >17	1	4	4	1.97	1	4	4	2.00	0	0	0	1.44%
60	TONSILLECTOMY & OR ADENOIDECTOMY ONLY, AGE 0-17	1	3	3	1.54	1	3	3	1.50	0	0	0	0.01%
61	MYRINGOTOMY WITH TUBE INSERTION AGE >17	1	3	3	1.26	1	3	4	1.50	0	1	0	0.69%
62	MYRINGOTOMY WITH TUBE INSERTION AGE 0-17	1	1	1	1.00	1	1	1	1.00	0	0	0	18.63%
63	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES	1	14	14	3.02	2	10	10	3.50	1	4	0	55.43%
64	EAR, NOSE, MOUTH & THROAT MALIGNANCY	1	21	21	4.02	1	20	20	3.80	0	-1	0	15.01%
65	DISSEMINATED	1	10	10	2.48	1	10	10	2.50	0	0	0	-6.12%
66	EPITAXIS	1	8	8	2.17	1	8	8	2.20	0	0	0	4.56%
67	EPIGLOTTITIS	2	11	11	3.41	2	11	11	3.40	0	0	0	-0.29%
68	OTITIS MEDIA & URI AGE >17 W/CC	1	8	8	2.73	1	8	8	2.70	0	0	0	0.23%
69	OTITIS MEDIA & URI >17 W/CC	1	5	5	2.35	1	5	5	2.30	0	0	0	5.80%
70	OTITIS MEDIA & URI AGE 0-17	1	5	5	1.81	1	5	5	1.80	0	0	0	0.44%
71	LARYNGOTRACHEITIS	1	3	3	1.49	1	3	3	1.50	0	0	0	0.02%
72	NASAL TRAUMA & DEFORMITY	1	3	3	1.39	1	3	3	1.40	0	0	0	0.52%
73	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE >17	1	7	7	2.09	1	7	7	2.10	0	0	0	0.59%
74	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE 0-17	1	4	4	1.45	1	4	4	1.40	0	-1	0	-3.56%
75	MAJOR CHEST PROCEDURES	2	27	27	10.33	5	31	31	14.20	3	4	0	8.30%
76	OTHER RESP SYSTEM O.R. PROCEDURES W/CC	3	30	30	13.32	2	25	25	8.80	-1	-5	0	37.40%
77	OTHER RESP SYSTEM O.R. PROCEDURES W/O CC	1	21	21	4.49	1	20	20	3.90	0	-1	0	-10.15%
78	PULMONARY EMBOLISM	2	23	23	6.24	2	23	23	6.20	0	0	0	-6.18%
79	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 W/CC	3	26	26	9.84	3	26	26	9.40	0	0	0	-4.22%
80	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 W/O CC	2	23	23	6.13	2	23	23	6.30	0	0	0	2.73%
81	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE 0-17	1	18	18	3.72	1	18	18	3.80	0	0	0	2.18%
82	RESPIRATORY NEOPLASMS	1	22	22	5.34	1	22	22	5.30	0	0	0	-0.70%
83	MAJOR CHEST TRAUMA W/CC	1	21	21	4.09	1	20	20	4.00	0	-1	0	-2.24%
84	MAJOR CHEST TRAUMA W/O CC	1	10	10	2.53	1	10	10	2.50	0	0	0	-1.05%
85	PLEURAL EFFUSION W/CC	1	21	21	4.18	1	21	21	4.30	0	0	0	2.83%
86	PLEURAL EFFUSION W/O CC	1	17	17	3.01	1	16	16	3.00	0	-1	0	-0.42%
87	PULMONARY EDEMA & RESPIRATORY FAILURE	1	21	21	4.59	1	22	22	5.20	0	1	0	13.24%
88	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	2	16	16	4.40	2	16	16	4.30	0	0	0	-2.37%
89	SIMPLE PNEUMONIA & PLEURISY AGE >17 W/CC	2	18	18	5.87	2	18	18	5.90	0	0	0	0.49%
90	SIMPLE PNEUMONIA & PLEURISY AGE >17 W/O CC	2	9	9	3.56	2	10	10	3.60	0	1	0	1.04%
91	SIMPLE PNEUMONIA & PLEURISY AGE 0-17	1	7	7	2.54	1	7	7	2.50	0	0	0	-1.50%
92	INTERSTITIAL LUNG DISEASE W/CC	1	21	21	4.98	1	22	22	5.10	0	1	0	2.45%
93	INTERSTITIAL LUNG DISEASE W/O CC	1	19	19	3.42	1	18	18	3.40	0	-1	0	-0.72%
94	PNEUMOTHORAX W/CC	2	18	18	5.62	2	18	18	5.60	0	0	0	-0.44%
95	PNEUMOTHORAX W/O CC	2	13	13	3.88	2	13	13	3.90	0	0	0	0.44%
96	BRONCHITIS & ASTHMA AGE >17 W/CC	2	12	12	3.67	2	12	12	3.60	0	0	0	-1.95%
97	BRONCHITIS & ASTHMA AGE >17 W/O CC	1	7	7	2.56	1	7	7	2.60	0	0	0	1.51%
98	BRONCHITIS & ASTHMA AGE 0-17	1	5	5	2.15	1	5	5	2.10	0	0	0	-2.28%
99	RESPIRATORY SIGNS & SYMPTOMS W/CC	1	15	15	2.96	1	16	16	3.20	0	1	0	8.09%
100	RESPIRATORY SIGNS & SYMPTOMS W/O CC	1	6	6	1.88	1	7	7	1.90	0	1	0	1.07%
101	OTHER RESPIRATORY SYSTEM DIAGNOSES W/CC	1	21	21	4.05	1	19	19	3.90	0	-2	0	-3.69%
102	OTHER RESPIRATORY SYSTEM DIAGNOSES W/O CC	1	6	6	2.12	1	6	6	2.10	0	0	0	-1.12%
103	HEART TRANSPLANT	12	45	45	28.06	0	0	0	0.00	0	0	0	0.00%
104	CARDIAC VALVE PROCEDURE W CARDIAC CATH	7	33	33	16.45	12	45	45	8.22	0	0	0	21.03%
105	CARDIAC VALVE PROCEDURE W/O CARDIAC CATH	8	34	34	17.43	8	34	34	17.30	0	0	0	-0.77%
106	CORONARY BYPASS W CARDIAC CATH	8	34	34	17.43	8	34	34	17.30	0	0	0	-0.77%

Continued

EXHIBIT 3-1: VERSION 4 AND VERSION 8 DRG GROUPER WEIGHTS AND DRG TRIM POINTS
(CONTINUED)

DRG	DESCRIPTION	VERSION 4				VERSION 8				DIFFERENCE IN LOW CUTPOINTS	DIFFERENCE IN HIGH CUTPOINTS	PERCENTAGE DIFFERENCE GLOS	PERCENTAGE DIFFERENCE IN WEIGHT
		LOW CUTPOINT	HIGH CUTPOINT	GLOS	DRG WEIGHT	LOW CUTPOINT	HIGH CUTPOINT	GLOS	DRG WEIGHT				
107	CORONARY BYPASS W/O CARDIAC CATH	7	29	13.83	4.89	7	27	13.50	5.13	0	-2	1.4%	4.99%
108	OTHER CARDIOTHORACIC PROCEDURES	4	27	10.47	3.77	5	28	11.90	5.34	1	1	11.1%	41.50%
109	NO LONGER VALID	2	24	7.87	4.07	0	0	0.00	....	-2	-24	....	....
110	MAJOR CARDIOVASCULAR PROCEDURES W/O CC	7	35	18.39	3.71	3	29	12.80	4.08	-4	-6	30.39%	10.09%
111	MAJOR CARDIOVASCULAR PROCEDURES W/O CC	6	30	13.15	2.80	4	28	11.20	2.90	-2	-2	14.85%	3.53%
112	PERCUTANEOUS CARDIOVASCULAR PROCEDURES	2	23	6.41	2.31	2	23	6.30	2.27	0	0	1.65%	1.94%
113	AMPUTATION FOR CIRC SYSTEM DISORDERS EXCEPT UPPER LIMB & TOE	6	38	22.72	3.63	11	44	27.00	3.90	5	5	18.86%	7.43%
114	UPPER LIMB & TOE AMPUTATION FOR CIRC SYSTEM DISORDERS	2	26	9.90	2.05	2	26	9.90	1.85	0	0	0.03%	9.93%
115	PERM CARDIAC PACEMAKER IMPLANT W/AMI, HEART FAILURE OR SHOCK	2	24	7.87	4.72	4	38	21.00	4.72	2	14	166.75%	0.01%
116	PERM CARDIAC PACEMAKER IMPLANT W/O AMI, HEART FAILURE OR SHOCK	2	21	5.47	3.20	2	23	6.40	3.12	0	2	17.09%	2.51%
117	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT	2	23	6.55	1.50	1	21	4.10	1.23	-1	-2	-37.37%	-17.64%
118	CARDIAC PACEMAKER DEVICE REPLACEMENT	2	17	4.74	2.20	2	20	5.40	2.59	0	3	14.01%	18.02%
119	VEIN LIGATION & STRIPPING	1	8	2.66	0.78	1	8	2.70	0.73	0	0	1.58%	-7.26%
120	OTHER CIRCULATORY SYSTEM Q.R. PROCEDURES	1	24	7.80	2.80	1	25	8.30	2.61	0	1	6.43%	-7.00%
121	CIRCULATORY DISORDERS W/AMI & C.V. COMP DISCH ALIVE	3	24	7.61	2.17	3	24	8.00	2.12	0	0	5.19%	-2.30%
122	CIRCULATORY DISORDERS W/AMI W/O C.V. COMP DISCH ALIVE	2	21	4.97	1.51	2	22	5.40	1.50	0	1	8.68%	-0.35%
123	CIRCULATORY DISORDERS W/AMI, EXPIRED	1	19	2.66	2.37	1	18	2.60	2.16	0	-1	-2.32%	-8.73%
124	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH & COMPLEX DIAG	2	20	5.25	1.45	2	20	5.20	1.43	0	0	-0.88%	-1.47%
125	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH W/O COMPLEX DIAG	1	9	2.94	0.87	1	10	3.00	0.91	0	1	2.17%	4.43%
126	ACUTE & SUBACUTE ENDOCARDITIS	2	29	12.75	3.71	2	29	12.80	3.71	0	0	0.37%	-18.85%
127	HEART FAILURE & SHOCK	2	18	4.61	1.27	2	18	4.70	1.30	0	0	1.92%	1.74%
128	DEEP VEIN THROMBOPHLEBITIS	2	22	5.97	0.93	2	22	6.00	0.88	0	0	0.58%	-6.11%
129	CARDIAC ARREST, UNEXPLAINED	1	19	2.58	3.53	1	19	2.50	2.17	0	0	-3.05%	-38.48%
130	PERIPHERAL VASCULAR DISORDERS W/O CC	2	21	4.87	1.15	2	22	5.30	1.26	0	1	8.93%	10.06%
131	PERIPHERAL VASCULAR DISORDERS W/O CC	1	18	3.76	0.76	1	17	3.70	0.71	0	-1	-1.51%	-7.34%
132	ATHEROSCLEROSIS W/O CC	1	15	3.59	1.07	1	15	4.10	1.59	0	4	14.23%	48.37%
133	ATHEROSCLEROSIS W/O CC	1	12	2.94	0.97	1	14	3.20	1.21	0	2	8.89%	25.09%
134	HYPERTENSION	1	13	3.00	0.65	1	12	2.90	0.61	0	-1	-3.29%	-6.09%
135	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 W/O CC	1	18	3.88	0.96	1	20	4.20	1.83	0	2	8.26%	90.94%
136	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 W/O CC	1	10	2.46	0.74	1	10	2.50	0.61	0	0	1.54%	-17.97%
137	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE 0-17	1	7	1.77	0.76	1	5	1.60	1.38	0	-2	-9.84%	82.40%
138	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W/O CC	1	14	3.33	0.89	1	15	3.60	0.93	0	1	8.03%	4.90%
139	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W/O CC	1	8	2.24	0.64	1	8	2.30	0.60	0	0	2.69%	-6.00%
140	ANGINA PECTORIS	1	9	2.76	0.81	1	9	2.80	0.79	0	0	1.46%	-2.96%
141	SYNCOPE & COLLAPSE W/O CC	1	13	3.02	0.69	1	13	3.00	0.68	0	0	-0.62%	-1.96%
142	SYNCOPE & COLLAPSE W/O CC	1	8	2.20	0.54	1	9	2.30	0.54	0	0	4.32%	0.49%
143	CHEST PAIN	1	6	1.94	0.6	1	6	1.90	0.59	0	0	-2.04%	-7.51%
144	OTHER CIRCULATORY DIAGNOSES WITH CC	1	21	4.62	1.32	1	21	4.70	1.40	0	0	1.72%	6.00%
145	OTHER CIRCULATORY DIAGNOSES W/O CC	1	11	2.55	0.83	1	10	2.60	0.87	0	-1	1.92%	4.14%
146	RECTAL RESECTION W/O CC	6	31	14.62	3.29	7	32	15.30	2.78	1	1	4.68%	-15.34%
147	RECTAL RESECTION W/O CC	6	27	12.43	2.35	4	27	10.80	1.71	-2	0	-13.14%	-27.44%
148	MAJOR SMALL & LARGE BOWEL PROCEDURES W/O CC	6	30	13.89	3.56	6	31	14.00	3.51	0	1	0.81%	-1.31%
149	MAJOR SMALL & LARGE BOWEL PROCEDURES W/O CC	4	19	8.74	2.08	5	19	9.50	1.91	1	0	8.65%	-8.24%
150	PERITONEAL ADHESOLYSIS W/O CC	5	26	10.96	2.30	5	28	11.30	2.71	0	2	3.10%	17.61%
151	PERITONEAL ADHESOLYSIS W/O CC	2	20	5.61	1.55	2	21	5.90	1.25	0	1	5.12%	-19.12%
152	MINOR SMALL & LARGE BOWEL PROCEDURES W/O CC	1	17	2.34	2.26	4	29	12.10	2.07	3	12	417.67%	-8.40%
153	MINOR SMALL & LARGE BOWEL PROCEDURES W/O CC	1	3	1.25	1.34	1	21	4.30	1.34	0	18	244.36%	-14.70%
154	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 W/O CC	4	29	12.57	3.45	5	31	14.70	3.64	1	2	16.96%	5.31%
155	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 W/O CC	2	23	6.57	2.09	2	24	7.60	1.79	0	1	15.67%	-14.33%
156	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE 0-17	2	11	4.36	1.08	2	13	4.60	1.28	0	2	5.49%	18.82%
157	ANAL AND STOMAL PROCEDURES W/O CC	1	13	2.94	0.98	1	15	3.80	0.90	0	2	29.22%	-8.02%
158	ANAL AND STOMAL PROCEDURES W/O CC	1	7	2.40	0.62	1	7	2.40	0.56	0	0	0.14%	-8.40%
159	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 W/O CC	2	18	4.66	1.26	2	20	5.30	1.19	0	2	13.73%	-5.29%

Continued

EXHIBIT 3-1: VERSION 4 AND VERSION 8 DRG GROUPER WEIGHTS AND DOD TRIM POINTS
(CONTINUED)

DRG	DESCRIPTION	VERSION 4				VERSION 8				DIFFERENCE IN LOW CUTPOINTS	DIFFERENCE IN HIGH CUTPOINTS	PERCENTAGE DIFFERENCE GLOS	PERCENTAGE DIFFERENCE IN WEIGHT
		LOW CUTPOINT	HIGH CUTPOINT	GLOS	DRG WEIGHT	LOW CUTPOINT	HIGH CUTPOINT	GLOS	DRG WEIGHT				
160	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 W/O CC	1	8	2.57	0.81	1	8	2.60	0.79	0	0	1.4%	2.40%
161	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W CC	1	9	3.00	0.85	2	11	3.40	0.70	1	2	1.07%	17.45%
162	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W/O CC	1	6	2.19	0.54	1	6	2.20	0.53	0	0	0.41%	2.34%
163	HERNIA PROCEDURES AGE 0-17	1	2	1.23	0.43	1	2	1.20	0.45	0	0	2.14%	4.69%
164	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W CC	5	19	9.72	2.39	5	20	9.90	2.11	0	1	1.85%	11.41%
165	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W/O CC	3	15	6.36	1.25	3	15	6.40	1.1	0	0	0.64%	5.14%
166	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W CC	2	13	4.84	1.24	2	13	4.90	1.05	0	0	1.22%	15.90%
167	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W/O CC	2	6	3.25	0.70	2	6	3.20	0.71	0	0	1.40%	1.71%
168	MOUTH PROCEDURES W CC	2	22	5.61	1.85	1	15	3.70	0.96	-1	7	-34.02%	-48.23%
169	MOUTH PROCEDURES W/O CC	1	9	2.85	0.93	1	5	1.80	0.65	0	-4	-36.86%	-29.88%
170	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W CC	2	23	6.96	2.94	2	24	7.80	2.87	0	1	12.09%	2.47%
171	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W/O CC	1	12	2.88	1.22	1	12	2.90	1.06	0	0	0.83%	-13.78%
172	DIGESTIVE MALGNANCY W CC	1	21	4.12	1.42	1	22	5.20	1.83	0	1	26.22%	29.57%
173	DIGESTIVE MALGNANCY W/O CC	1	8	1.78	1.02	1	9	1.80	1.14	0	1	1.15%	10.88%
174	G.I. HEMORRHAGE W CC	1	14	3.54	1.15	2	15	4.10	1.06	1	1	15.77%	7.79%
175	G.I. HEMORRHAGE W/O CC	1	6	1.91	0.70	1	7	2.00	0.65	0	1	4.56%	6.99%
176	COMPLICATED PEPTIC ULCER	1	7	1.65	0.95	1	4	1.40	1.01	0	-3	-15.39%	7.07%
177	UNCOMPLICATED PEPTIC ULCER W CC	1	11	2.50	0.88	1	15	3.00	0.83	0	4	19.81%	5.50%
178	UNCOMPLICATED PEPTIC ULCER W/O CC	1	4	1.48	0.63	1	4	1.40	0.60	0	0	-5.60%	4.47%
179	INFLAMMATORY BOWEL DISEASE	1	19	2.75	1.03	1	19	2.70	1.24	0	0	-1.70%	19.96%
180	G.I. OBSTRUCTION W CC	1	16	3.93	1.03	1	20	4.20	1.04	0	4	6.82%	1.00%
181	G.I. OBSTRUCTION W/O CC	1	10	2.89	0.60	1	10	2.90	0.59	0	0	0.19%	-1.14%
182	ESOPHAGITIS, GASTROENT. & MISC DIGEST DISORDERS AGE >17 W CC	1	9	2.18	0.75	1	10	2.40	0.72	0	1	10.03%	-4.19%
183	ESOPHAGITIS, GASTROENT. & MISC DIGEST DISORDERS AGE >17 W/O CC	1	5	1.66	0.56	1	4	1.60	0.54	0	-1	-3.66%	-3.80%
184	ESOPHAGITIS, GASTROENT & MISC DIGEST DISORDERS AGE 0-17	1	4	1.70	0.33	1	4	1.70	0.35	0	0	-0.08%	7.22%
185	DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS, AGE >17	1	10	2.21	0.90	1	9	2.10	0.74	0	-1	-4.84%	-17.38%
186	DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS, AGE 0-17	1	3	1.39	0.42	1	3	1.40	0.41	0	0	0.58%	-3.01%
187	DENTAL EXTRACTIONS & RESTORATIONS	1	2	1.22	0.49	1	2	1.20	0.64	0	0	-1.84%	30.27%
188	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 W CC	1	6	1.62	1.00	1	14	2.50	0.97	0	8	54.70%	-2.68%
189	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 W/O CC	1	2	1.19	0.61	1	2	1.20	0.50	0	0	0.98%	-17.97%
190	PANCREAS, LIVER & SHUNT PROCEDURES AGE 0-17	1	4	1.41	0.40	1	3	1.30	0.39	0	-1	-7.49%	-2.59%
191	PANCREAS, LIVER & SHUNT PROCEDURES W CC	4	34	17.76	5.08	5	35	18.20	5.11	1	1	2.45%	0.53%
192	PANCREAS, LIVER & SHUNT PROCEDURES W/O CC	3	30	13.06	5.27	3	28	11.20	2.91	0	-2	-14.25%	-44.65%
193	BILIARY TRACT PROC EXCEPT ONLY TOT CHOLECYST W OR W/O C.D.E. W	3	28	11.20	3.34	5	33	16.40	3.39	2	5	46.48%	1.53%
194	BILIARY TRACT PROC EXCEPT ONLY TOT CHOLECYST W OR W/O C.D.E. W	1	21	4.87	2.04	4	25	9.00	1.75	3	4	84.87%	-14.21%
195	TOTAL CHOLECYSTECTOMY W.C.D.E. W CC	5	22	10.12	2.05	1	21	9.90	1.87	0	-1	-2.16%	8.70%
196	TOTAL CHOLECYSTECTOMY W.C.D.E. W/O CC	4	17	8.32	1.50	4	18	8.60	1.42	0	1	3.32%	-45%
197	TOTAL CHOLECYSTECTOMY W/O C.D.E. W CC	3	14	6.25	1.47	3	17	7.10	1.51	0	3	13.64%	2.66%
198	TOTAL CHOLECYSTECTOMY W/O C.D.E. W/O CC	3	8	4.91	1.10	3	8	4.90	0.98	0	0	-0.21%	-10.89%
199	HEPATOBIARY DIAGNOSTIC PROCEDURE FOR MALIGNANCY	4	33	16.02	1.91	4	33	16.40	2.38	0	0	2.38%	24.35%
200	HEPATOBIARY DIAGNOSTIC PROCEDURE FOR NON-MALIGNANCY	1	22	5.03	2.47	1	21	4.70	1.93	0	-1	-6.64%	-21.77%
201	OTHER HEPATOBIARY OR PANCREAS O.R. PROCEDURES	1	21	4.32	2.73	1	21	4.40	2.62	0	0	1.96%	4.12%
202	CIRRHOSIS & ALCOHOLIC HEPATITIS	1	22	5.55	1.39	1	22	5.60	1.74	0	0	0.94%	-5.73%
203	MALIGNANCY OF HEPATOBIARY SYSTEM OR PANCREAS	1	22	5.05	1.30	1	22	5.10	1.37	0	0	1.04%	5.84%
204	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	2	19	4.87	1.01	2	20	4.90	1.18	0	1	0.55%	16.19%
205	DISORDERS OF LIVER EXC MALIGN. CIRRH. ALC HEPATITIS W CC	1	22	5.02	1.76	1	22	5.00	1.68	0	0	-0.33%	-4.52%
206	DISORDERS OF LIVER EXC MALIGN. CIRRH. ALC HEPATITIS W/O CC	1	13	2.78	0.74	1	14	2.90	0.59	0	1	4.32%	-20.63%
207	DISORDERS OF THE BILIARY TRACT W CC	1	16	3.77	0.94	1	18	3.90	1.06	0	2	3.77%	13.27%
208	DISORDERS OF THE BILIARY TRACT W/O CC	1	9	2.25	0.60	1	9	2.40	0.62	0	0	6.50%	3.47%
209	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES	8	29	14.89	2.99	8	30	14.70	2.94	0	1	-1.30%	-1.79%
210	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 W CC	6	34	17.07	3.20	6	33	16.40	2.63	0	-1	-3.91%	-17.98%
211	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 W/O CC	3	26	10.00	1.93	3	27	10.10	1.85	0	1	1.01%	4.32%
212	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE 0-17	2	23	6.08	1.41	2	22	6.00	1.51	0	-1	-1.38%	7.08%

Continued

EXHIBIT 3-1: VERSION 4 AND VERSION 8 DRG GROUPER WEIGHTS AND DOD TRIM POINTS
(CONTINUED)

DRG	DESCRIPTION	VERSION 4				VERSION 8				DIFFERENCE		PERCENTAGE	
		LOW CUTPOINT	HIGH CUTPOINT	DRG WEIGHT	DRG WEIGHT	LOW CUTPOINT	HIGH CUTPOINT	DRG WEIGHT	DRG WEIGHT	IN LOW CUTPOINTS	IN HIGH CUTPOINTS	DIFFERENCE	PERCENTAGE DIFFERENCE
213	AMPUTATIONS FOR MUSCULOSKELETAL SYSTEM & CONN TISSUE DISORDER	1	27	10.17	1.73	1	27	10.40	2.22	0	0	0	28.80%
214	BACK & NECK PROCEDURES W CC	4	30	13.36	2.43	4	31	14.20	1.94	0	1	0.73%	20.24%
215	BACK & NECK PROCEDURES W/O CC	3	24	8.36	1.51	3	25	8.40	1.26	0	1	0.43%	16.60%
216	BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	1	21	4.74	1.31	1	21	4.40	1.72	0	0	2.65%	31.74%
217	WIND DEBRID & SKN GRAFT EXC HAND, FOR MUSCULOSKELETAL & CONN TISS DIS	1	23	2.03	2.03	1	25	8.60	2.62	0	2	28.99%	29.22%
218	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR AGE >17 W CC	3	26	9.11	1.87	3	26	9.90	1.61	0	0	9.64%	-13.77%
219	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR AGE >17 W/O	2	16	4.21	1.09	2	17	4.30	1.03	0	1	2.04%	4.70%
220	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR AGE 0-17	1	8	2.43	0.81	1	8	2.40	0.79	0	0	-1.42%	-2.05%
221	KNEE PROCEDURES W CC	2	23	6.11	1.94	2	24	7.70	1.53	0	1	26.12%	21.05%
222	KNEE PROCEDURES W/O CC	1	11	2.54	0.84	1	10	2.50	0.99	0	-1	-1.72%	17.13%
223	MAJOR SHOULDER/ELBOW PROC OR OTHER UPPER EXTREMITY PROC WITH	1	13	3.59	1.12	1	11	3.30	0.88	0	-2	-7.99%	-20.81%
224	SHOULDER/ELBOW OR FOREARM PROC EXC MAJOR JOINT PROC, W/O CC	1	10	3.18	0.77	1	10	3.20	0.74	0	0	0.70%	-4.16%
225	FOOT PROCEDURES	1	6	2.02	0.72	1	6	2.00	0.74	0	0	-1.01%	2.59%
226	SOFT TISSUE PROCEDURES W CC	1	20	3.91	1.09	1	22	5.10	1.23	0	2	30.35%	12.71%
227	SOFT TISSUE PROCEDURES W/O CC	1	8	2.21	0.72	1	8	2.30	0.75	0	0	4.03%	4.33%
228	MAJOR THUMB OR JOINT PROC OR OTH HAND OR WRIST PROC WITH CC	1	11	2.64	0.87	1	11	2.60	0.79	0	0	-1.52%	-9.18%
229	HAND OR WRIST PROC EXCEPT MAJOR JOINT PROC, W/O CC	1	4	1.58	0.65	1	4	1.60	0.61	0	0	1.11%	-5.75%
230	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES OF HIP & FEMUR	1	10	2.66	0.72	1	10	2.70	0.68	0	0	1.40%	-5.53%
231	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES EXCEPT HIP & FEMUR	1	7	2.02	0.68	1	7	2.00	0.96	0	0	-0.75%	9.51%
232	ARTHROSCOPY	1	6	1.94	0.84	1	6	2.00	0.97	0	0	3.16%	51.60%
233	OTHER MUSCULOSKELETAL SYS & CONN TISS O.R. PROC W CC	2	26	9.15	2.42	3	27	10.50	2.67	1	1	14.70%	10.33%
234	OTHER MUSCULOSKELETAL SYS & CONN TISS O.R. PROC W/O CC	1	13	2.77	0.99	1	13	2.90	1.04	0	-1	4.60%	5.27%
235	FRACTURES OF FEMUR	1	20	3.57	1.25	1	20	3.50	1.22	0	0	-2.02%	-2.61%
236	FRACTURES OF HIP & PELVIS	1	23	6.31	1.00	1	23	6.30	1.19	0	0	-0.14%	19.09%
237	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH	1	17	3.13	0.84	1	17	3.10	0.54	0	0	-0.85%	-16.34%
238	OSTEOMYELITIS	2	25	8.38	1.62	2	25	8.60	1.36	0	0	2.60%	-16.12%
239	PATHOLOGICAL FRACTURES & MUSCULOSKELETAL & CONN TISS MALIGNANCY	1	22	5.59	1.19	1	22	5.50	1.52	0	0	-1.62%	27.66%
240	CONNECTIVE TISSUE DISORDERS W CC	1	22	5.66	1.49	1	23	6.00	1.54	0	1	5.97%	3.69%
241	CONNECTIVE TISSUE DISORDERS W/O CC	1	18	3.22	0.85	1	18	3.20	0.72	0	0	-0.75%	-14.79%
242	SEPTIC ARTHRITIS	2	22	5.89	1.21	2	23	6.00	1.47	0	1	1.82%	21.34%
243	MEDICAL BACK PROBLEMS	1	19	3.51	0.74	1	19	3.50	0.63	0	0	-0.33%	-15.70%
244	BONE DISEASES & SEPTIC ARTHROPATHIES W CC	1	20	3.79	0.82	1	21	4.30	1.34	0	1	13.39%	62.84%
245	BONE DISEASES & SEPTIC ARTHROPATHIES W/O CC	1	17	2.90	0.65	1	17	2.90	0.96	0	0	0.17%	46.03%
246	NON-SPECIFIC ARTHROPATHIES	1	19	3.71	0.98	1	19	3.70	0.65	0	0	-0.21%	12.33%
247	SIGNS & SYMPTOMS OF MUSCULOSKELETAL SYSTEM & CONN TISSUE	1	15	2.62	0.67	1	15	2.60	0.63	0	0	-0.93%	-6.45%
248	TENDONITIS, MYOSITIS & BURSTITIS	1	14	2.77	0.60	1	13	2.60	0.58	0	-1	-6.07%	-3.33%
249	AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	1	6	1.56	0.79	1	7	1.70	0.83	0	1	8.67%	4.30%
250	FX SPN, STRN & DISL OF FOREARM, HAND, FOOT AGE >17 W CC	1	14	2.43	0.74	1	14	2.70	0.84	0	0	11.07%	14.09%
251	FX SPN, STRN & DISL OF FOREARM, HAND, FOOT AGE >17 W/O CC	1	7	1.82	0.46	1	7	1.80	0.51	0	0	-1.13%	13.14%
252	FX SPN, STRN & DISL OF FOREARM, HAND, FOOT AGE 0-17	1	2	1.17	0.32	1	2	1.20	0.36	0	0	2.73%	14.19%
253	FX SPN, STRN & DISL OF UPARM, LOWLEG EX FOOT AGE >17 W CC	1	20	3.33	0.82	1	20	3.30	0.93	0	0	-0.96%	13.62%
254	FX SPN, STRN & DISL OF UPARM, LOWLEG EX FOOT AGE >17 W/O CC	1	8	1.90	0.47	1	8	1.90	0.52	0	0	0.14%	10.29%
255	FX SPN, STRN & DISL OF UPARM, LOWLEG EX FOOT AGE 0-17	1	3	1.44	0.37	1	3	1.40	0.42	0	0	-2.45%	13.00%
256	OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSES	1	11	2.18	0.66	1	10	2.10	0.67	0	-1	-3.69%	1.70%
257	TOTAL MASTECTOMY FOR MALIGNANCY W CC	4	20	8.69	1.21	4	21	9.00	1.09	0	1	3.59%	9.99%
258	TOTAL MASTECTOMY FOR MALIGNANCY W/O CC	4	15	6.94	1.01	4	15	6.90	0.89	0	0	-0.57%	-11.83%
259	SUBTOTAL MASTECTOMY FOR MALIGNANCY W CC	1	11	2.28	1.19	1	11	2.30	1.37	0	0	0.87%	15.33%
260	SUBTOTAL MASTECTOMY FOR MALIGNANCY W/O CC	1	5	1.59	0.79	1	5	1.60	0.74	0	0	0.43%	6.32%
261	BREAST PROC FOR NON-MALIGNANCY EXCEPT BIOPSY & LOCAL EXCISION	1	9	2.75	0.91	1	9	2.80	0.93	0	0	1.93%	3.05%
262	BREAST BIOPSY & LOCAL EXCISION FOR NON-MALIGNANCY	1	2	1.17	0.52	1	2	1.20	0.55	0	0	2.49%	5.98%
263	SKN GRAFT & OR DEBRID FOR SKN ULCER OR CELLULITIS W CC	4	32	15.29	2.96	5	36	19.00	3.02	1	4	24.25%	2.09%
264	SKN GRAFT & OR DEBRID FOR SKN ULCER OR CELLULITIS W/O CC	2	23	6.91	1.87	2	25	8.10	1.89	0	2	17.28%	0.86%
265	SKN GRAFT & OR DEBRID EXCEPT FOR SKN ULCER OR CELLULITIS WI	2	24	7.51	1.74	2	25	9.00	1.77	0	1	19.84%	1.86%

Continued

EXHIBIT 3-1: VERSION 1 AND VERSION 8 DRG GROUPER WEIGHTS AND D0D TRIM POINTS
(CONTINUED)

DRG	DESCRIPTION	VERSION 4				VERSION 8				DIFFERENCE IN LOW CUTPOINTS	DIFFERENCE IN HIGH CUTPOINTS	PERCENTAGE DIFFERENCE IN GLOS	PERCENTAGE DIFFERENCE IN WEIGHT
		LOW CUTPOINT	HIGH CUTPOINT	GLOS	DRG WEIGHT	LOW CUTPOINT	HIGH CUTPOINT	GLOS	DRG WEIGHT				
266	SKIN GRAFT AND/OR DEBRID EXCEPT FOR SKIN ULCER OR CELLULITIS W/	1	18	340	0.92	1	20	350	0.95	0	2	2.82%	2.82%
267	PERIANAL & PILONIDAL PROCEDURES	1	9	254	0.49	1		250	0.53	0	0	3.42%	8.06%
268	SKIN, SUBCUTANEOUS TISSUE & BREAST PLASTIC PROCEDURES	1	7	213	0.71	1		210	0.78	0	0	1.41%	9.89%
269	OTHER SKIN, SUBCUT TISS & BREAST O.R. PROC W CC	1	13	224	1.54	1	21	460	1.85	0	8	105.11%	19.58%
270	OTHER SKIN, SUBCUT TISS & BREAST O.R. PROC W/O CC	1	4	147	0.75	1	4	150	0.73	0	0	1.94%	1.72%
271	SKIN ULCERS	2	23	672	1.13	2	24	710	1.49	0	1	5.69%	32.64%
272	MAJOR SKIN DISORDERS W CC	2	22	511	1.12	2	22	540	1.38	0	0	5.71%	22.94%
273	MAJOR SKIN DISORDERS W/O CC	1	18	331	0.71	1	17	330	0.75	0	-1	0.19%	6.63%
274	MALIGNANT BREAST DISORDERS W CC	1	21	429	1.27	1	21	470	2.08	0	0	9.68%	64.51%
275	MALIGNANT BREAST DISORDERS W/O CC	1	5	157	0.76	1	5	160	1.63	0	0	2.12%	113.35%
276	NON-MALIGNANT BREAST DISORDERS	1	3	131	0.53	1	3	130	0.69	0	0	-0.98%	30.06%
277	CELLULITIS AGE >17 W CC	2	15	506	1.03	2	15	520	0.93	0	0	2.75%	-9.34%
278	CELLULITIS AGE >17 W/O CC	2	10	345	0.75	2	10	350	0.66	0	0	1.36%	-12.18%
279	CELLULITIS AGE 0-17	1	7	264	0.53	1	7	270	0.49	0	0	2.09%	-6.50%
280	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE >17 W CC	1	10	227	0.58	1	10	220	0.74	0	0	-3.16%	27.89%
281	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE >17 W/O CC	1	6	181	0.41	1	6	190	0.51	0	0	5.02%	23.68%
282	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE 0-17	1	4	147	0.32	1	4	150	0.38	0	0	2.02%	19.05%
283	MINOR SKIN DISORDERS W CC	1	12	263	0.72	1	14	320	0.74	0	2	21.33%	3.72%
284	MINOR SKIN DISORDERS W/O CC	1	5	168	0.51	1	5	170	0.50	0	0	1.20%	-0.44%
285	AMPUTATION OF LOWER LIMB FOR ENDOCRINE, NUTRIT & METABOL DISORDERS	4	34	1776	2.34	4	34	1780	2.74	0	0	0.21%	17.47%
286	ADRENAL & PITUITARY PROCEDURES	4	28	1176	2.91	4	28	1180	2.11	0	0	0.31%	24.85%
287	SKIN GRAFTS & WOUND DEBRID FOR ENDOC, NUTRIT & METAB DISORDERS	3	27	1008	1.94	2	27	1100	2.23	-1	0	9.09%	14.89%
288	O.R. PROCEDURES FOR OBESITY	2	21	490	1.82	2	21	490	1.73	0	0	-0.06%	-5.14%
289	PARATHYROID PROCEDURES	3	15	573	0.97	3	14	570	0.87	0	1	0.59%	10.32%
290	THYROID PROCEDURES	2	7	376	0.77	2	7	380	0.75	0	0	1.09%	-3.33%
291	THYROID GLAND PROCEDURES	1	6	244	0.42	1	6	240	0.51	0	0	-1.45%	19.69%
292	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W CC	2	26	920	2.05	2	27	1020	3.12	0	1	10.82%	52.02%
293	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W/O CC	1	19	276	1.53	1	19	290	0.94	0	0	5.22%	-38.52%
294	DIABETES AGE >35	2	13	451	0.76	2	14	460	0.76	0	1	2.05%	0.20%
295	DIABETES AGE 0-35	1	13	367	0.64	1	13	370	0.59	0	0	0.76%	8.38%
296	NUTRITIONAL & MISC METABOLIC DISORDERS AGE >17 W CC	1	18	364	1.07	1	20	400	1.13	0	2	9.89%	6.23%
297	NUTRITIONAL & MISC METABOLIC DISORDERS AGE >17 W/O CC	1	20	333	0.73	1	20	330	0.57	0	0	-0.81%	-22.29%
298	NUTRITIONAL & MISC METABOLIC DISORDERS AGE 0-17	1	9	221	0.60	1	9	220	0.44	0	0	-0.24%	-26.88%
299	INBORN ERRORS OF METABOLISM	1	14	265	1.03	1	14	260	1.03	0	0	-2.04%	0.72%
300	ENDOCRINE DISORDERS W CC	1	21	473	1.06	1	21	480	1.05	0	0	1.46%	-0.84%
301	ENDOCRINE DISORDERS W/O CC	1	14	289	0.66	1	15	300	0.63	0	1	3.82%	-4.96%
302	KIDNEY TRANSPLANT	12	42	259	1.71	12	42	2600	6.75	0	0	0.04%	81.64%
303	KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NEOPLASM	5	30	1350	2.34	5	30	1370	2.52	0	0	1.04%	7.55%
304	KIDNEY, URETER & MAJOR BLADDER PROC FOR NON-NEOPL W CC	3	26	924	2.16	4	27	1090	2.04	1	1	18.01%	-5.25%
305	KIDNEY, Ureter & MAJOR BLADDER PROC FOR NON-NEOPL W/O CC	2	23	674	1.36	2	23	690	1.23	0	0	2.33%	-10.21%
306	PROSTATECTOMY W CC	3	12	521	2.10	3	19	690	1.54	0	7	32.35%	-26.46%
307	PROSTATECTOMY W/O CC	3	8	421	1.03	3	7	430	0.81	0	-1	2.24%	-21.20%
308	MINOR BLADDER PROCEDURES W CC	2	21	496	1.45	2	23	60	1.41	0	2	29.14%	-3.18%
309	MINOR BLADDER PROCEDURES W/O CC	1	14	352	1.19	1	13	360	0.96	0	-1	2.36%	-19.52%
310	TRANSURETHRAL PROCEDURES W CC	1	10	322	1.04	1	14	370	1.02	0	4	14.92%	-2.11%
311	TRANSURETHRAL PROCEDURES W/O CC	1	6	238	0.75	1	7	250	0.74	0	1	4.90%	-0.58%
312	URETHRAL PROCEDURES, AGE >17 W CC	2	11	382	0.78	2	12	380	0.75	0	1	-0.61%	-4.09%
313	URETHRAL PROCEDURES, AGE >17 W/O CC	1	10	281	0.65	1	10	280	0.65	0	0	-0.50%	1.28%
314	URETHRAL PROCEDURES, AGE 0-17	1	2	122	0.53	1	2	120	0.56	0	0	-1.44%	4.81%
315	OTHER KIDNEY & URINARY TRACT O.R. PROCEDURES	2	23	695	2.64	1	22	590	2.27	-1	-1	-15.14%	-13.96%
316	RENAL FAILURE	1	17	251	1.91	1	19	290	1.96	0	2	15.35%	2.73%
317	ADMIT FOR RENAL DIALYSIS	1		103	0.53	1	1	100	0.35	0	0	-2.51%	-33.93%
318	KIDNEY & URINARY TRACT NEOPLASMS W CC	1	2	481	1.37	1	22	530	1.55	0	1	10.19%	12.66%

Continued

EXHIBIT 3-1: VERSION 4 AND VERSION 8 DRG GROUPER WEIGHTS AND DoD TRIM POINTS
(CONTINUED)

DRG	DESCRIPTION	VERSION 4				VERSION 8				DIFFERENCE IN LOW CUTPOINTS	DIFFERENCE IN HIGH CUTPOINTS	PERCENTAGE DIFFERENCE IN GLOS	PERCENTAGE DIFFERENCE IN WEIGHT
		LOW CUTPOINT	HIGH CUTPOINT	GLOS	DRG WEIGHT	LOW CUTPOINT	HIGH CUTPOINT	GLOS	DRG WEIGHT				
319	KIDNEY & URINARY TRACT NEOPLASMS W/O CC	1	10	2.15	0.69	1	12	2.30	1.15	0	2	1.1%	65.71%
320	KIDNEY & URINARY TRACT INFECTIONS AGE >17 W CC	2	16	4.58	0.95	2	17	4.80	0.95	0	1	4.71%	0.00%
321	KIDNEY & URINARY TRACT INFECTIONS AGE >17 W/O CC	2	8	3.12	0.65	2	9	3.20	0.63	0	1	2.69%	-3.26%
322	KIDNEY & URINARY TRACT INFECTIONS AGE 0-17	2	8	3.05	0.55	2	8	3.00	0.55	0	0	1.79%	0.71%
323	URINARY STONES W CC, & OR ESW LITHOTRIPSY	1	11	2.96	0.94	1	11	3.10	0.76	0	0	4.83%	-19.17%
324	URINARY STONES W/O CC	1	6	2.00	0.54	1	5	1.90	0.46	0	-1	5.18%	14.55%
325	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 W CC	1	15	3.20	0.87	1	15	3.30	1.03	0	0	3.08%	17.48%
326	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 W/O CC	1	9	2.28	0.63	1	8	2.20	0.52	0	-1	-3.63%	-17.39%
327	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE 0-17	1	8	2.23	0.51	1	4	1.60	0.37	0	-4	-28.35%	-27.90%
328	URETHRAL STRICTURE AGE >17 W CC	1	6	1.72	0.60	1	5	1.60	0.63	0	-1	-7.02%	5.03%
329	URETHRAL STRICTURE AGE >17 W/O CC	1	8	1.99	0.51	1	7	1.90	0.41	0	-1	-4.73%	-18.70%
330	URETHRAL STRICTURE AGE 0-17	1	2	1.13	0.30	1	2	1.10	0.28	0	0	-2.27%	-8.47%
331	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 W CC	1	20	3.89	1.10	1	21	4.20	0.93	0	1	7.94%	-14.72%
332	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 W/O CC	1	12	2.65	0.60	1	12	2.70	0.63	0	0	1.88%	-4.74%
333	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE 0-17	1	8	1.84	0.58	1	9	2.10	0.87	0	1	14.06%	50.33%
334	MAJOR MALE PELVIC PROCEDURES WITH CC	6	28	12.14	2.04	6	29	12.60	2.28	0	1	3.80%	11.94%
335	MAJOR MALE PELVIC PROCEDURES W/O CC	6	20	10.89	1.76	6	20	10.80	1.63	0	0	-0.83%	-7.04%
336	TRANSURETHRAL PROSTATECTOMY W CC	3	8	4.81	0.96	3	10	5.20	1.05	0	2	8.12%	9.37%
337	TRANSURETHRAL PROSTATECTOMY W/O CC	3	6	4.34	0.78	3	7	4.50	0.73	0	1	3.78%	-6.39%
338	TESTES PROCEDURES, FOR MALIGNANCY	1	21	4.08	0.75	1	21	4.10	0.89	0	0	0.61%	19.66%
339	TESTES PROCEDURES, NON-MALIGNANCY AGE >17	1	5	2.18	0.58	1	5	2.20	0.54	0	0	0.78%	-6.67%
340	TESTES PROCEDURES, NON-MALIGNANCY AGE 0-17	1	2	1.30	0.49	1	2	1.30	0.49	0	0	-0.12%	-1.10%
341	PENIS PROCEDURES	1	10	2.77	0.94	1	10	2.70	0.93	0	0	-2.56%	-1.55%
342	CIRCUMCISION AGE >17	1	3	1.45	0.47	1	3	1.40	0.50	0	0	-3.38%	6.83%
343	CIRCUMCISION AGE 0-17	1	1	1.05	0.65	1	1	1.10	0.42	0	0	5.00%	-35.08%
344	OTHER MALE REPRODUCTIVE SYSTEM, O.R. PROC EXCEPT FOR MALIGNANCY	1	22	5.77	1.08	1	22	5.80	1.42	0	0	0.55%	31.52%
345	OTHER MALE REPRODUCTIVE SYSTEM, O.R. PROC EXCEPT FOR MALIGNANCY	1	11	2.90	0.88	1	10	2.90	0.54	0	-1	-0.14%	-38.52%
346	MALIGNANCY, MALE REPRODUCTIVE SYSTEM, W CC	1	21	4.25	1.37	1	23	6.00	1.27	0	2	41.04%	-7.04%
347	MALIGNANCY, MALE REPRODUCTIVE SYSTEM, W/O CC	1	20	3.32	0.63	1	19	2.70	1.16	0	-1	-18.68%	83.34%
348	BENIGN PROSTATIC HYPERTROPHY W CC	1	6	1.69	0.65	1	11	2.20	0.50	0	5	30.44%	-21.86%
349	BENIGN PROSTATIC HYPERTROPHY W/O CC	1	2	1.28	0.53	1	3	1.40	0.46	0	1	9.55%	-13.51%
350	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM	1	11	2.98	0.67	1	11	3.00	0.62	0	0	0.69%	-7.48%
351	STERILIZATION, MALE	1	1	1.00	0.36	1	1	1.00	0.33	0	0	0.00%	-8.45%
352	OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES	1	5	1.73	0.56	1	5	1.70	0.57	0	0	-1.88%	1.36%
353	PELVIC EVISCERATION, RADICAL HYSTERECTOMY & VULVECTOMY	5	32	15.68	1.95	5	32	15.70	2.24	0	0	0.14%	14.91%
354	UTERINE ADENEXA PROC FOR NON-OVARIAN/ADENEXAL MALIGNANCY W CC	4	27	10.36	1.56	4	27	10.90	1.47	0	0	5.25%	-5.27%
355	UTERINE ADENEXA PROC FOR NON-OVARIAN/ADENEXAL MALIGNANCY W/O CC	3	14	6.02	1.07	3	14	6.10	0.91	0	0	1.35%	-15.15%
356	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES	3	9	4.89	0.94	3	9	5.10	0.84	0	0	4.39%	-10.12%
357	UTERUS & ADENEXA PROC FOR OVARIAN OR ADENEXAL MALIGNANCY	3	27	10.62	2.06	3	27	10.60	1.86	0	0	-0.19%	-9.52%
358	UTERUS & ADENEXA PROC FOR NON-MALIGNANCY W CC	4	11	6.47	1.31	4	12	6.40	1.16	0	1	-1.02%	-11.57%
359	UTERUS & ADENEXA PROC FOR NON-MALIGNANCY W/O CC	2	10	4.14	0.98	2	10	4.10	0.91	0	0	-0.88%	-7.40%
360	VAGINA, CERVIX & VULVA PROCEDURES	1	3	1.41	0.61	1	4	1.50	0.69	0	1	6.33%	11.99%
361	LAPAROSCOPY & INCISIONAL TUBAL INTERRUPTION	1	3	1.45	0.69	1	3	1.50	0.73	0	0	3.21%	6.14%
362	ENDOSCOPIC TUBAL INTERRUPTION	1	2	1.24	0.35	1	2	1.20	0.39	0	0	-3.00%	11.57%
363	D&C, CONIZATION & RADIO-IMPLANT, FOR MALIGNANCY	1	5	1.78	0.64	1	5	1.80	0.63	0	0	1.08%	-0.79%
364	D&C, CONIZATION EXCEPT FOR MALIGNANCY	1	2	1.25	0.49	1	2	1.30	0.47	0	0	3.63%	-3.85%
365	OTHER FEMALE REPRODUCTIVE SYSTEM O.R. PROCEDURES	1	15	3.87	1.21	1	15	3.90	1.28	0	0	0.80%	5.98%
366	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W CC	1	21	4.99	1.20	1	22	5.80	1.44	0	1	16.21%	20.45%
367	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W/O CC	1	11	2.39	0.61	1	10	2.30	0.86	0	-1	-3.56%	40.65%
368	INFECTIONS, FEMALE REPRODUCTIVE SYSTEM	2	7	3.71	0.64	2	7	3.70	0.58	0	0	-0.16%	-9.25%
369	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS	1	4	1.53	0.42	1	4	1.50	0.47	0	0	-1.70%	10.85%
370	CESAREAN SECTION WITH C.C.	3	11	5.36	1.09	3	11	5.40	0.96	0	0	0.84%	-11.45%
371	CESAREAN SECTION W/O C.C.	3	6	4.27	0.90	3	6	4.30	0.77	0	0	0.62%	-14.62%

Continued

EXHIBIT 3-1: VERSION 4 AND VERSION 8 DRG GROUPER WEIGHTS AND DoD TRIM POINTS
(CONTINUED)

DRG	DESCRIPTION	VERSION 4					VERSION 8					DIFFERENCE IN LOW CUTPOINTS	DIFFERENCE IN HIGH CUTPOINTS	PERCENTAGE DIFFERENCE IN WEIGHT
		LOW CUTPOINT	HIGH CUTPOINT	GLOS	DRG WEIGHT	DRG WEIGHT	LOW CUTPOINT	HIGH CUTPOINT	GLOS	DRG WEIGHT				
372	VAGINAL DELIVERY W COMPLICATING DIAGNOSES	2	7	3.31	0.81	0.81	2	7	3.30	0.58	0	0	0	-28.67%
373	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	2	4	2.61	0.47	0.47	2	4	2.60	0.39	0	0	0	-16.07%
374	VAGINAL DELIVERY W STERILIZATION AND/OR D&C	2	4	2.76	0.67	0.67	2	5	2.80	0.63	0	1	1	1.43%
375	VAGINAL DELIVERY WITH O.R. PROC EXCEPT STERIL & OR D&C	2	7	3.13	0.74	0.74	2	6	3.10	0.62	0	-1	0	-15.44%
376	POSTPARTUM & POST ABORTION DIAGNOSES W/O R. PROCEDURE	1	7	2.64	0.47	0.47	1	7	2.70	0.47	0	0	0	0.30%
377	POSTPARTUM AND POST ABORTION DIAGNOSES W/O R. PROCEDURE	1	6	1.88	0.62	0.62	1	7	1.90	0.70	0	1	1	12.61%
378	ECTOPIC PREGNANCY	2	7	3.33	0.81	0.81	2	7	3.30	0.78	0	0	0	-0.97%
379	THREATENED ABORTION	1	5	1.70	0.32	0.32	1	5	1.70	0.37	0	0	0	0.03%
380	ABORTION W/O D&C	1	3	1.42	0.32	0.32	1	3	1.40	0.32	0	0	0	-0.12%
381	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY	1	1	1.11	0.37	0.37	1	1	1.10	0.40	0	0	0	-0.78%
382	FALSE LABOR	1	2	1.18	0.15	0.15	1	2	1.20	0.17	0	0	0	1.90%
383	OTHER ANTEPARTUM DIAGNOSES W MEDICAL COMPLICATIONS	1	6	1.96	0.36	0.36	1	6	2.00	0.35	0	0	0	-1.01%
384	OTHER ANTEPARTUM DIAGNOSES W/O MEDICAL COMPLICATIONS	1	2	1.22	0.36	0.36	1	2	1.20	0.33	0	0	0	-1.97%
385	NO LONGER VALID	1	20	3.68	0.83	0.83	0		0.00		-1	-20		-9.21%
386	NO LONGER VALID	2	29	12.34	3.32	3.32	0		0.00		-2	-29		
387	NO LONGER VALID	2	24	7.98	1.70	1.70	0		0.00		-2	-24		
388	NO LONGER VALID	2	10	3.54	0.80	0.80	0		0.00		-2	-10		
389	NO LONGER VALID	2	9	3.78	0.50	0.50	0		0.00		-2	-9		
390	NO LONGER VALID	2	5	2.65	0.23	0.23	0		0.00		-2	-5		
391	NORMAL NEWBORNS	2	4	2.41	0.14	0.14	2	4	2.40	0.12	0	0	0	-0.49%
392	SPLENECTOMY AGE >17	4	26	9.77	3.00	3.00	4	26	9.80	1.97	0	0	0	0.34%
393	SPLENECTOMY AGE 0-17	4	11	6.34	1.82	1.82	4	11	6.40	2.54	0	0	0	39.93%
394	OTHER O.R. PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS	1	8	1.99	1.11	1.11	1	7	1.90	1.09	0	-1	0	-4.41%
395	RED BLOOD CELL DISORDERS AGE >17	1	12	2.29	0.95	0.95	1	12	2.30	0.92	0	0	0	-0.22%
396	RED BLOOD CELL DISORDERS AGE 0-17	1	8	2.06	0.66	0.66	1	8	2.10	0.57	0	0	0	-13.05%
397	COAGULATION DISORDERS	1	13	2.85	0.79	0.79	1	13	2.80	1.11	0	0	0	-1.90%
398	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W CC	1	20	3.18	1.33	1.33	1	20	3.60	1.59	0	0	0	13.31%
399	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W/O CC	1	8	1.91	0.71	0.71	1	8	1.90	0.74	0	0	0	-0.67%
400	LYMPHOMA & LEUKEMIA W MAJOR O.R. PROCEDURE	5	36	19.96	3.68	3.68	5	36	19.10	2.55	0	0	0	-90.77%
401	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. PROC W CC	2	27	10.57	2.06	2.06	2	27	10.60	3.03	0	0	0	47.10%
402	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. PROCEDURE W/O CC	1	21	4.11	1.27	1.27	1	21	4.10	1.18	0	0	0	-7.18%
403	LYMPHOMA & NON-ACUTE LEUKEMIA W CC	1	22	5.51	1.76	1.76	1	22	5.60	2.88	0	0	0	1.55%
404	LYMPHOMA & NON-ACUTE LEUKEMIA W/O CC	1	19	2.81	1.04	1.04	1	19	2.80	1.09	0	0	0	-0.47%
405	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE	1	19	2.65	1.62	1.62	1	19	2.60	2.21	0	0	0	-1.70%
406	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R. PROC W CC	4	36	19.63	2.79	2.79	5	38	21.00	3.55	1	2	2	6.98%
407	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R. PROC W/O CC	1	23	6.92	1.38	1.38	1	23	6.80	1.99	0	0	0	-1.72%
408	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W OTHER O.R. PROC	1	20	3.59	1.07	1.07	1	21	4.10	1.43	0	1	1	14.25%
409	RADIOTHERAPY	1	24	7.99	0.89	0.89	1	25	8.00	0.80	0	1	1	0.11%
410	CHEMOTHERAPY	1	8	2.29	0.62	0.62	1	9	2.30	0.72	0	1	1	0.64%
411	HISTORY OF MALIGNANCY W/O ENDOSCOPY	1	6	1.64	1.00	1.00	1	6	1.80	0.30	0	0	0	9.65%
412	HISTORY OF MALIGNANCY W ENDOSCOPY	1	1	1.09	0.37	0.37	1	1	1.10	0.41	0	0	0	1.08%
413	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W CC	1	23	6.09	1.24	1.24	1	23	6.70	1.70	0	0	0	10.09%
414	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W/O CC	1	20	3.05	0.91	0.91	1	20	3.10	1.08	0	0	0	1.54%
415	O.R. PROCEDURE FOR INFECTIOUS & PARASITIC DISEASES	2	23	6.94	3.29	3.29	2	24	7.20	3.54	0	1	0	3.72%
416	SEPTICEMIA AGE >17	2	23	6.61	1.97	1.97	2	23	6.40	1.98	0	0	0	-3.21%
417	SEPTICEMIA AGE 0-17	2	9	3.12	0.72	0.72	2	8	3.00	0.88	0	-1	0	-3.95%
418	POSTOPERATIVE & POST-TRAUMATIC INFECTIONS	2	15	4.08	1.16	1.16	2	16	4.20	0.95	0	1	1	3.01%
419	FEVER OF UNKNOWN ORIGIN AGE >17 W CC	2	21	4.74	1.16	1.16	2	21	4.80	1.02	0	0	0	1.33%
420	FEVER OF UNKNOWN ORIGIN AGE >17 W/O CC	1	16	3.84	0.98	0.98	1	16	3.80	0.75	0	0	0	-1.08%
421	VIRAL ILLNESS AGE >17	1	10	2.71	0.54	0.54	1	10	2.70	0.59	0	0	0	-0.48%
422	VIRAL ILLNESS & FEVER OF UNKNOWN ORIGIN AGE 0-17	1	6	2.22	0.41	0.41	1	6	2.10	0.44	0	0	0	-5.52%
423	OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES	1	21	4.53	1.04	1.04	1	21	4.30	1.43	0	0	0	-5.13%
424	O.R. PROCEDURE W PRINCIPAL DIAGNOSES OF MENTAL ILLNESS	1	23	6.52	2.39	2.39	1	22	5.00	2.35	0	-1	0	-23.34%

-- Continued --

EXHIBIT 3-1: VERSION 4 AND VERSION 8 DRG GROUPER WEIGHTS ND DoD TRIM POINTS
(CONTINUED)

ORG	DESCRIPTION	VERSION 4				VERSION 8				DIFFERENCE		PERCENTAGE	
		LOW	HIGH	GLOS	DRG	LOW	HIGH	GLOS	DRG	IN LOW	IN HIGH	DIFFERENCE	PERCENTAGE
		CUTPOINT	CUTPOINT		WEIGHT	CUTPOINT	CUTPOINT		WEIGHT	CUTPOINTS	CUTPOINTS	DIFFERENCE	IN WEIGHT
425	ACUTE ADJUST REACT & DISTURBANCES OF PSYCHOSOCIAL DYSFUNCTION	1	20	3.57	0.66	1	20	3.60	1.08	0	0	0.34%	64.26%
426	DEPRESSIVE NEUROSES	1	21	4.86	0.90	1	21	4.90	1.29	0	0	0.82%	43.68%
427	NEUROSES EXCEPT DEPRESSIVE	1	21	4.30	0.76	1	21	4.30	1.81	0	0	0.06%	139.16%
428	DISORDERS OF PERSONALITY & IMPULSE CONTROL	1	21	4.59	0.92	1	21	4.60	3.53	0	0	0.24%	284.47%
429	ORGANIC DISTURBANCES & MENTAL RETARDATION	1	24	7.93	0.91	1	24	7.90	1.94	0	0	-0.35%	113.26%
430	PSYCHOSES	1	27	10.37	1.16	2	27	10.40	1.54	1	0	0.25%	32.83%
431	CHILDHOOD MENTAL DISORDERS	1	16	2.64	0.92	1	16	2.60	2.88	0	0	-1.50%	214.06%
432	OTHER MENTAL DISORDERS DIAGNOSES	1	21	4.15	0.75	1	21	4.60	2.01	0	0	-1.03%	167.27%
433	ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AMA	1	20	1	0.42	1	20	3.20	0.72	0	0	-0.23%	70.52%
434	ALCOHOL/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT W CC	1	20	3.65	0.77	1	25	8.40	1.32	0	5	130.38%	72.50%
435	NO LONGER VALID	1	26	9.08	0.86	0	0	0.00	....	-1	-26	....	....
436	ALCOHOL/DRUG DEPENDENCE W REHABILITATION THERAPY	14	47	30.13	1.10	14	47	30.10	0.99	0	0	0.89%	-10.02%
437	ALCOHOL/DRUG DEPENDENCE, COMBINED REHAB & DETOX THERAPY	14	47	30.22	1.43	15	48	31	1.68	1	1	3.56%	17.36%
438	NO LONGER VALID	....	....	....	....	0	0	0.00	....	....	....	....	....
439	SKIN GRAFTS FOR INJURIES	2	26	9.67	1.50	2	26	9.30	2.32	0	0	-3.84%	54.83%
440	WOUND DEBRIDEMENTS FOR INJURIES	1	22	5.27	1.52	1	22	5.70	1.91	0	0	8.07%	25.92%
441	HAND PROCEDURES FOR INJURIES	1	20	3.59	0.95	1	20	3.50	0.84	0	0	-2.51%	-11.48%
442	OTHER O.R. PROCEDURES FOR INJURIES W CC	1	22	5.70	2.58	1	23	6.90	2.50	0	1	21.01%	-3.14%
443	OTHER O.R. PROCEDURES FOR INJURIES W/O CC	1	13	2.75	1.33	1	15	2.90	1.06	0	2	5.57%	-20.37%
444	TRAUMATIC INJURY AGE >17 W CC	1	12	2.83	1.00	1	13	2.90	0.95	0	1	2.51%	-4.69%
445	TRAUMATIC INJURY AGE >17 W/O CC	1	8	2.19	0.81	1	9	2.30	0.57	0	1	5.04%	-29.83%
446	TRAUMATIC INJURY AGE 0-17	1	6	1.77	0.84	1	6	1.80	0.46	0	0	1.96%	-28.62%
447	ALLERGIC REACTIONS AGE >17	1	4	1.48	0.49	1	3	1.40	0.52	0	-1	-5.21%	5.78%
448	ALLERGIC REACTIONS AGE 0-17	1	3	1.35	0.30	1	3	1.30	0.28	0	0	-3.47%	-5.49%
449	POISONING & TOXIC EFFECTS OF DRUGS AGE >17 W CC	1	14	2.97	0.90	1	15	3.00	0.91	0	0	1.14%	0.59%
450	POISONING & TOXIC EFFECTS OF DRUGS AGE >17 W/O CC	1	7	1.87	0.47	1	7	1.80	0.50	0	0	7.83%	7.83%
451	POISONING AND TOXIC EFFECTS OF DRUGS AGE 0-17	1	2	1.23	0.36	1	2	1.20	0.42	0	0	-2.50%	17.92%
452	COMPLICATIONS OF TREATMENT W CC	1	21	4.23	1.07	1	21	4.20	1.45	0	0	-0.66%	35.34%
453	COMPLICATIONS OF TREATMENT W/O CC	1	9	2.23	0.45	1	9	2.20	0.54	0	0	-1.34%	20.91%
454	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W CC	1	8	1.95	1.38	1	7	1.90	1.01	0	-1	-2.46%	-26.99%
455	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W/O CC	1	3	1.41	0.43	1	3	1.40	0.36	0	0	-0.40%	-15.97%
456	BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY	1	27	10.75	0.96	1	27	10.90	1.51	0	0	1.43%	58.07%
457	EXTENSIVE BURNS W/O O.R. PROCEDURE	1	21	4.87	3.48	1	22	5.20	6.22	0	1	6.82%	78.54%
458	NON-EXTENSIVE BURNS W SKIN GRAFTS	4	33	16.93	3.09	4	33	16.60	3.16	0	0	-1.96%	2.10%
459	NON-EXTENSIVE BURNS W WOUND DEBRIDEMENT OR OTHER O.R. PROC	1	21	4.86	1.74	1	21	4.40	2.02	0	0	-9.53%	16.18%
460	NON-EXTENSIVE BURNS W/O O.R. PROCEDURE	1	18	3.11	0.87	1	20	3.40	0.86	0	2	9.31%	-1.69%
461	O.R. PROC WITH DIAGNOSES OF OTHER CONTACT W HEALTH SERVICES	1	11	2.09	0.93	1	12	2.30	1.29	0	1	9.81%	38.48%
462	REHABILITATION	3	27	10.12	3.12	3	27	10.10	3.10	0	0	-0.18%	-0.36%
463	SIGNS & SYMPTOMS WITH CC	1	19	3.40	0.94	1	19	3.40	0.86	0	0	-0.10%	-8.47%
464	SIGNS & SYMPTOMS W/O CC	1	12	2.61	0.60	1	12	2.60	0.54	0	0	-0.38%	-10.39%
465	AFTERCARE W HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS	1	4	1.42	0.39	1	4	1.40	0.40	0	0	-1.45%	2.83%
466	AFTERCARE W/O HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS	1	6	1.54	0.46	1	6	1.50	0.71	0	0	-2.70%	53.21%
467	OTHER FACTORS INFLUENCING HEALTH STATUS	1	6	1.63	0.34	1	6	1.60	0.46	0	0	-1.99%	34.30%
468	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	1	20	3.51	1.68	1	21	4.40	2.22	0	1	25.30%	32.50%
469	PRINCIPAL DIAGNOSIS INVALID AS DISCHARGE DIAGNOSIS	1	8	1.70	0.00	1	2	1.10	....	0	-6	-35.11%	....
470	UNGROUPABLE	1	12	2.63	0.00	1	20	3.50	....	0	8	33.01%	....
471	BILATERAL OR MULTIPLE MAJOR JOINT PROCEDURES OF LOWER EXTREM	8	41	24.97	4.39	10	43	26.00	4.82	2	2	4.14%	9.71%
472	EXTENSIVE BURNS W/O O.R. PROCEDURE	6	39	22.43	13.30	11	44	27.40	11.76	5	5	22.17%	-11.55%
473	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE AGE > 17	1	24	7.51	4.71	1	24	7.30	5.34	0	0	-2.76%	13.47%
474	NO LONGER VALID	....	....	....	....	0	0	0.00	....	....	....	....	....
475	RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT	3	26	9.40	4.35	3	26	9.40	4.35	....	....	....	....
476	PROSTATIC O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	2	25	8.20	2.49	2	25	8.20	2.49	....	....	....	....
477	NON-EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	1	14	2.50	1.33	1	14	2.50	1.33	....	....	....	....

Continued

EXHIBIT 3-1: VERSION 4 AND VERSION 8 DRG GROUPER WEIGHTS AND DOD TRIM POINTS
(CONCLUDED)

DRG	DESCRIPTION	VERSION 4				VERSION 8				DIFFERENCE		PERCENTAGE	
		LOW	HIGH	JOINT CUTPOINT	DRG WEIGHT	LOW	HIGH	CUTPOINT	DRG WEIGHT	IN LOW	IN HIGH	DIFFERENCE	PERCENTAGE
478	OTHER VASCULAR PROCEDURES W CC	...	...	...	...	2	25	25	8.30	...	...	...	...
479	OTHER VASCULAR PROCEDURES W/O CC	...	...	...	...	1	22	22	5.70	...	...	...	...
480	LIVER TRANSPLANT	...	...	...	...	26	59	59	42.3	...	...	...	...
481	BONE MARROW TRANSPLANT	...	...	...	...	26	59	59	42.40	...	...	...	...
482	TRACHEOSTOMY W MOUTH, LARYNX OR PHARYNX DISORDER	...	...	...	...	8	41	41	24.90	...	...	...	...
483	TRACHEOSTOMY EXCEPT FOR MOUTH, LARYNX OR PHARYNX DISORDER	...	...	...	...	21	54	54	37.10	...	...	...	...
484	CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA	...	...	...	...	2	27	27	10.00	...	...	...	...
485	LIMB REATTACHMENT, HIP AND FEMUR PROC FOR MULTIPLE SIGNIFICANT	...	...	...	...	7	40	40	23.50	...	...	...	...
486	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA	...	...	...	...	2	26	26	9.10	...	...	...	...
487	OTHER MULTIPLE SIGNIFICANT TRAUMA	...	...	...	...	1	22	22	5.60	...	...	...	...
488	HIV W EXTENSIVE O.R. PROCEDURE	...	...	...	...	4	31	31	14.50	...	...	...	...
489	HIV W MAJOR RELATED CONDITION	...	...	...	...	1	23	23	6.60	...	...	...	...
490	HIV W OR W/O OTHER RELATED CONDITION	...	...	...	...	1	19	19	3.00	...	...	...	...
600	NEONATE, DIED WITHIN ONE DAY OF BIRTH	...	...	...	...	1	1	1	1.00	...	...	...	...
601	NEONATE, TRANSFERRED < 5 DAYS OLD	...	...	...	...	2	4	4	2.50	...	...	...	...
602	NEONATE, BIRTHWT < 750G, DISCHARGED ALIVE	...	...	...	...	18	51	51	34.60	...	...	...	...
603	NEONATE, BIRTHWT < 750G, DIED	...	...	...	...	1	25	25	8.40	...	...	...	...
604	NEONATE, BIRTHWT 750-999G, DISCHARGED ALIVE	...	...	...	...	23	56	56	39.30	...	...	...	...
605	NEONATE, BIRTHWT 750-999G, DIED	...	...	...	...	2	35	35	18.10	...	...	...	...
606	NEONATE, BIRTHWT 1000-1499G, W SIGNIF OR PROC, DISCHARGED ALIVE	...	...	...	...	46	79	79	6.40	...	...	...	...
607	NEONATE, BIRTHWT 1000-1499G, W/O SIGNIF OR PROC, DISCHARGED ALIVE	...	...	...	...	10	43	43	26.40	...	...	...	...
608	NEONATE, BIRTHWT 1000-1499G, DIED	...	...	...	...	1	32	32	15.70	...	...	...	...
609	NEONATE, BIRTHWT 1500-1999G, W SIGNIF OR PROC, W MULT MAJOR PROB	...	...	...	...	28	61	61	44.10	...	...	...	...
610	NEONATE, BIRTHWT 1500-1999G, W SIGNIF OR PROC, W/O MULT MAJOR P	...	...	...	...	2	29	29	12.90	...	...	...	...
611	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W MULT MAJOR P	...	...	...	...	8	40	40	23.20	...	...	...	...
612	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W MAJOR PROB	...	...	...	...	1	31	31	14.10	...	...	...	...
613	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W MINOR PROB	...	...	...	...	5	30	30	13.70	...	...	...	...
614	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W OTHER PROB	...	...	...	...	3	25	25	8.50	...	...	...	...
615	NEONATE, BIRTHWT 2000-2499G, W SIGNIF OR PROC, W MULT MAJOR PROB	...	...	...	...	11	44	44	27.50	...	...	...	...
616	NEONATE, BIRTHWT 2000-2499G, W SIGNIF OR PROC, W/O MULT MAJOR PROB	...	...	...	...	5	34	34	17.50	...	...	...	...
617	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W MULT MAJOR PR	...	...	...	...	4	29	29	12.30	...	...	...	...
618	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W MAJOR PROB	...	...	...	...	2	24	24	8.00	...	...	...	...
619	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W MINOR PROB	...	...	...	...	3	25	25	8.70	...	...	...	...
620	NO LONGER VALID	...	...	...	...	0	0	0	0.00	...	...	...	...
621	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W OTHER PROB	...	...	...	...	2	9	9	3.60	...	...	...	...
622	NEONATE, BIRTHWT > 2499G, W SIGNIF OR PROC, W MULT MAJOR PROB	...	...	...	...	5	37	37	20.70	...	...	...	...
623	NEONATE, BIRTHWT > 2499G, W SIGNIF OR PROC, W/O MULT T PROB	...	...	...	...	2	21	21	4.90	...	...	...	...
624	NEONATE, BIRTHWT > 2499G, W MINOR ABOIN PROCEDURE	...	...	...	...	2	8	8	3.20	...	...	...	...
625	NO LONGER VALID	...	...	...	...	0	0	0	0.00	...	...	...	...
626	NEONATE, BIRTHWT > 2499G, W/O SIGNIF OR PROC, MULT MAJOR PROB	...	...	...	...	2	23	23	6.40	...	...	...	...
627	NEONATE, BIRTHWT > 2499G, W/O SIGNIF OR PROC, W MAJOR PROB	...	...	...	...	2	12	12	3.60	...	...	...	...
628	NEONATE, BIRTHWT > 2499G, W/O SIGNIF OR PROC, W MINOR PROB	...	...	...	...	2	10	10	3.60	...	...	...	...
629	NO LONGER VALID	...	...	...	...	0	0	0	0.00	...	...	...	...
630	NEONATE, BIRTHWT > 2499G, W/O SIGNIF OR PROC, W OTHER PROB	...	...	...	...	2	6	6	2.60	...	...	...	...
631	BPD AND OTH CHRONIC RESPIRATORY DISEASES ARISING IN PERINATAL P	...	...	...	...	1	20	20	3.90	...	...	...	...
632	OTHER RESPIRATORY PROBLEMS AFTER BIRTH	...	...	...	...	1	13	13	3.10	...	...	...	...
633	MULTIPLE, OTHER AND UNSPECIFIED CONGENITAL ANOMALIES, W CC	...	...	...	...	1	21	21	5.00	...	...	...	...
634	MULTIPLE, OTHER AND UNSPECIFIED CONGENITAL ANOMALIES, W/O CC	...	...	...	...	1	13	13	2.20	...	...	...	...
635	NEONATAL AFTERCARE FOR WEIGHT GAIN	...	...	...	...	1	14	14	2.60	...	...	...	...
636	NEONATAL DIAGNOSIS AGE > 28 DAYS	...	...	...	...	1	20	20	3.50	...	...	...	...
900	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE < 21 W/O	...	...	...	...	1	24	24	7.50	...	...	...	...
901	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE > 21 W/O	...	...	...	...	1	27	27	10.70	...	...	...	...

CHAMPUS directly adopted Medicare weights for 14 DRGs that had sample sizes which were too small in CHAMPUS for unique weight computation.¹ The CHAMPUS FY91 DRG grouper was the same as that employed by the FY91 Medicare PPS system, with two key differences:

- the CHAMPUS system has replaced the Medicare DRG 435 (Alcohol/Drug Dependence, Detox, and/or Other Symptomatic Treatment), with two age-based DRGs (900 and 901); and
- the CHAMPUS system has replaced the Medicare neonatal DRGs 385 through 390 with 34 neonatal DRGs, with the expanded number of DRGs resulting from the addition of birthweight as part of the DRG definition for these DRGs.

The DRGs for which CHAMPUS directly adopted Medicare weights are presented in the following table.

<u>DRG</u>	<u>Description</u>
38	Primary Iris Procedures
317	Admit for Renal Dialysis
328	Urethral Stricture Age > 17 with CC
330	Urethral Stricture Age 0-17
342	Circumcision Age > 17
351	Sterilization, Male
412	History of Malignancy w/o Endoscopy
436	Alcohol/Drug Dependence with Rehabilitation Therapy
456	Burns, Transferred to Another Acute Care Facility
465	Aftercare with History of Malignancy as Secondary Diagnosis
472	Extensive Burns with O.R. Procedure
481	Bone Marrow Transplant
484	Craniotomy for Multiple Significant Trauma
488	HIV with Extensive O.R. Procedure

In adopting the Medicare weights for these DRGs, CHAMPUS did not account for the fact that, on average, CHAMPUS weights were about 16 percent higher than Medicare weights. In adopting the CHAMPUS weights for use in the DoD DRG-based allocation system, these weights were adjusted in order to maintain the relative resource intensity differences between these DRGs and those for which CHAMPUS computed CHAMPUS-unique weights.

The two DRGs which CHAMPUS exempted from DRG-based payments in FY91 are presented in the following table.

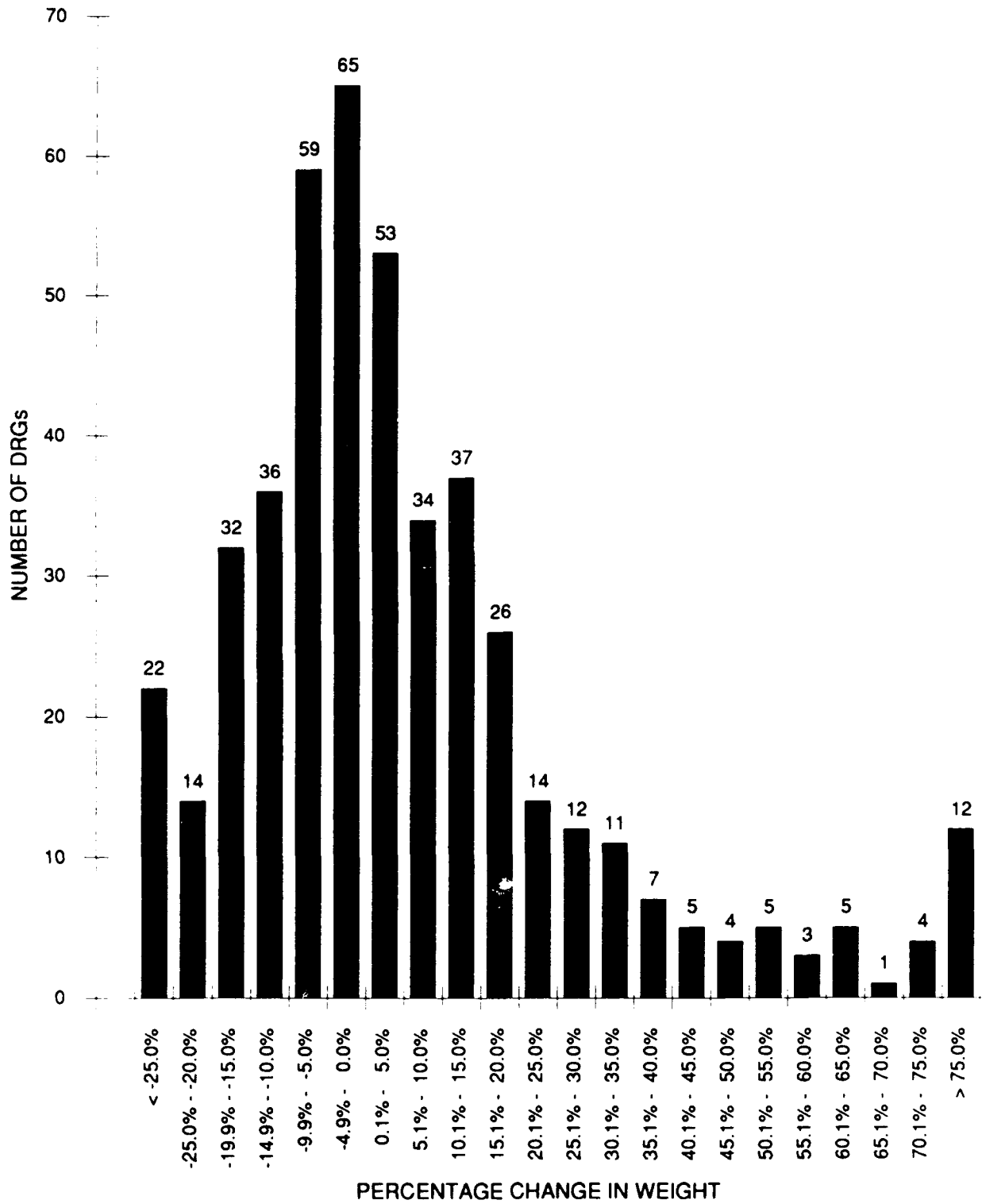
¹Medicare weights were published in the Federal Register, Vol. 55, No. 171, Tuesday, September 4, 1990, pp. 36111-36124.)

<u>DRG</u>	<u>Description</u>
103	Heart Transplant
480	Liver Transplant

The Health Care Financing Administration (HCFA) published FY91 Medicare weights for these two DRGs, which served as the source for implementation in computing FY91 DoD workload. However, as noted previously, the overall average FY91 CHAMPUS DRG weight was about 16 percent greater than the overall average FY91 Medicare DRG weight. Therefore, the Medicare weights for these DRGs were adjusted in the same manner as those directly adopted from Medicare by CHAMPUS.

The precise manner of the DRG weight adjustment was as follows. The average DRG weights for both CHAMPUS and Medicare were computed for those DRGs which CHAMPUS and Medicare had in common and for which they computed their own weights. Therefore, the DRGs in the tables above were left out of this computation, as were CHAMPUS DRGs 600 through 636, 900 and 901, and Medicare DRGs 385 through 390, and 435. The average HCFA weight, after these exclusions, was 1.1976. The average CHAMPUS weight was 1.3901. Therefore, the average CHAMPUS weight was 16.07 percent higher than the average HCFA weight. Consequently, the Medicare weights for the DRGs in the tables above were multiplied by 1.1607 before they were adopted as DoD DRG weights. Weights for all other DRGs were adopted as published by CHAMPUS.

Review of exhibit 3-1 shows that a number of DRGs had substantial changes in DRG case weights. To summarize these changes, exhibit 3-2 is a histogram displaying the number of DRGs that had a given percentage change in case weight between grouper versions. Note that a positive percentage value indicates that the Version 8 DRG Grouper weight was

EXHIBIT 3-2: HISTOGRAM OF PERCENTAGE CHANGE BETWEEN
VERSION 4 AND VERSION 8 DRG WEIGHTS

greater than the Version 4 case weight. Additionally, only DRGs that had Version 4 and Version 8 case weights are included in exhibit 3-2.

While 119 of the 461 DRGs compared had greater than a 20% change in case weight, 83 DRGs had weights that increased by greater than 20% and 36 had weights that decreased by greater than 20%. Modifications in case weights have the greatest impact on determining changes in assigned RWP credit. The review, however, can not be limited to case weights since updated trim points and changes in the DRG assignment methodology will also impact RWP credit and therefore CMI.

Exhibit 3-3 displays the number of DRGs that had a given percentage change in CMI. Since the change in case weight for a given DRG will be the greatest factor in determining the case-mix index within a DRG, the results should be similar to that presented in exhibit 3-2. Of the 461 DRGs compared, 89 had greater than a 20% increase in CMI when comparing the Version 4 and Version 8 DRG Grouper and 48 had greater than a 20% decrease in CMI. Additional detail is provided in exhibits 3-4 and 3-5. These exhibits present dispositions, RWPs, and CMI using both the Version 4 and Version 8 DRG Groupers and associated weights and trim points. Exhibit 3-4 presents the data sorted in DRG order while exhibit 3-5 provides the same information in order of the percentage change in CMI.

Close review of exhibit 3-4 provides insight concerning the DRGs that had substantial changes in weights and therefore CMI. For example, nearly all of DRGs 424-438, which are mental disease and disorder related, had substantial increases in case weights and CMIs. This may be due to the fact that the Version 4 weights for psychiatric and substance abuse care were taken directly from HCFA, while the Version 8 weights were computed using CHAMPUS claims data. A comparison of current HCFA and CHAMPUS weights showed that CHAMPUS weights are typically much

EXHIBIT 3-3: HISTOGRAM OF PERCENTAGE CHANGE BETWEEN DRG
VERSION 4 AND VERSION 8 DRG GROUPER CMIs

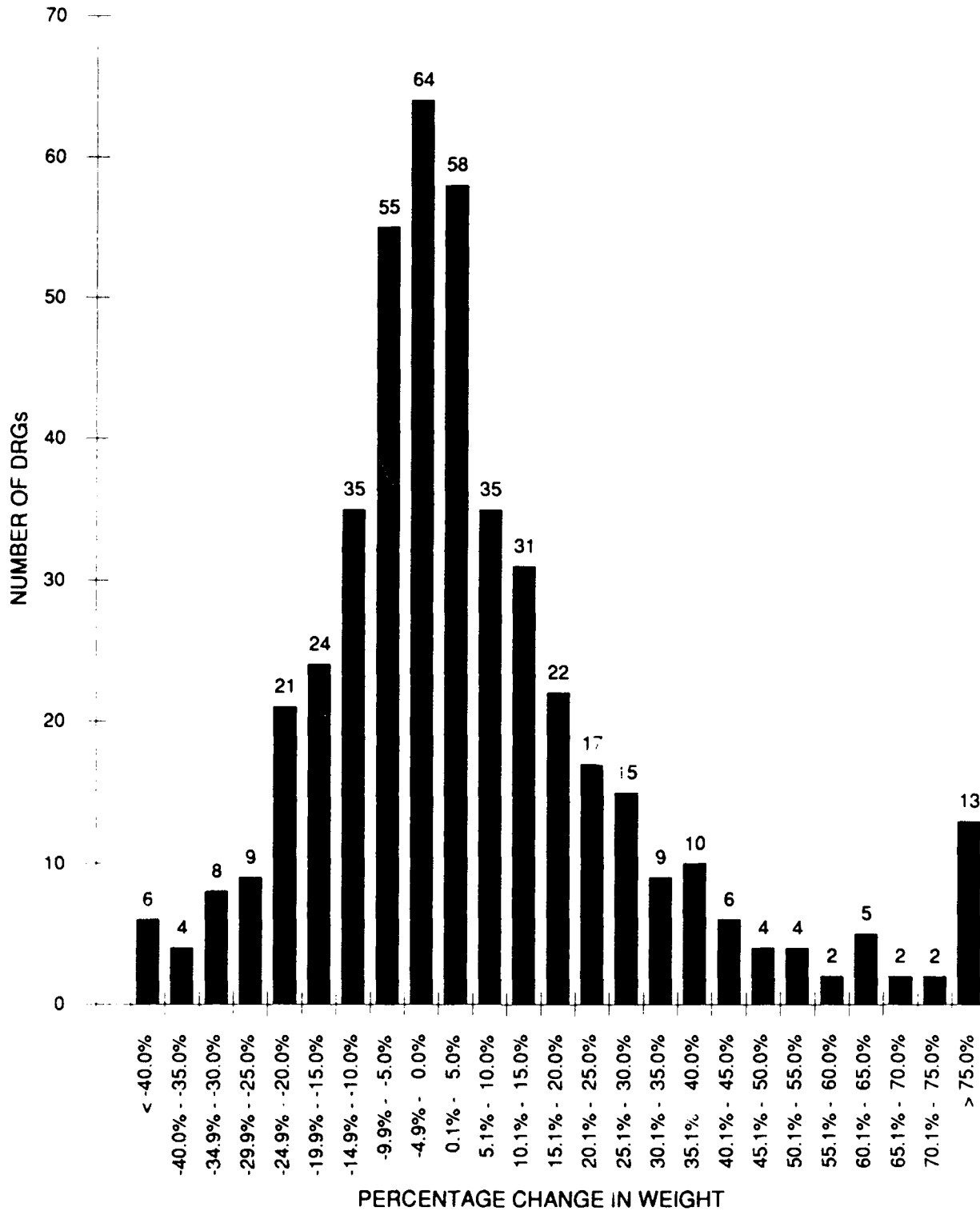


EXHIBIT 3-4: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs)
(SORTED IN DRG ORDER)

DRG	DESCRIPTION	VERSION 4 DISP.	VERSION 8 DISP.	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
1	CRANIOTOMY AGE >17 EXCEPT FOR TRAUMA	656	638	18	2,829	2,858	4.3119	4.4799	1.9%
2	CRANIOTOMY FOR TRAUMA AGE >17	178	137	41	1,146	975	6.4386	7.1171	-10.5%
3	CRANIOTOMY AGE 0-17	227	225	2	646	74	2.8443	3.2912	-13.7%
4	SPINAL PROCEDURES	346	336	10	902	843	2.6082	2.5090	3.8%
5	EXTRACRANIAL VASCULAR PROCEDURES	463	463	0	842	858	1.8190	1.8523	-1.8%
6	CARPAL TUNNEL RELEASE	2,259	2,259	0	1,429	1,750	0.6325	0.7747	-22.5%
7	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W CC	180	116	64	1,436	383	7.9774	3.3020	-58.6%
8	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W/O CC	1,581	1,609	-28	1,788	1,882	1.1308	1.1695	-3.4%
9	SPINAL DISORDERS & INJURIES	222	209	13	503	764	2.2675	3.6555	-61.2%
10	NERVOUS SYSTEM NEOPLASMS W CC	288	266	22	399	495	1.3840	1.8610	-34.5%
11	NERVOUS SYSTEM NEOPLASMS W/O CC	313	338	-25	373	442	1.1929	1.3089	-9.7%
12	DEGENERATIVE NERVOUS SYSTEM DISORDERS	669	670	-1	1,287	1,568	1.9237	2.3408	-21.7%
13	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA	502	505	-3	575	553	1.1450	1.0954	-4.3%
14	SPECIFIC CEREBROVASCULAR DISORDERS EXCEPT TIA	2,059	2,046	13	3,188	3,309	1.5485	1.6173	-4.4%
15	TRANSIENT ISCHEMIC ATTACKS AND PRECEREBRAL OCCLUSIONS	1,350	1,349	1	1,041	1,020	0.7714	0.7560	-2.0%
16	NONSPECIFIC CEREBROVASCULAR DISORDERS W CC	113	104	9	166	201	1.4696	1.9317	-31.4%
17	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC	191	197	-6	164	230	0.9612	1.1698	-35.8%
18	CRANIAL & PERIPHERAL NERVE DISORDERS W CC	414	271	143	624	277	1.5075	1.0213	-32.3%
19	CRANIAL & PERIPHERAL NERVE DISORDERS W/O CC	1,441	1,468	-27	1,233	1,221	0.8557	0.8316	-2.8%
20	NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS	557	651	-94	775	1,226	1.3911	1.8831	-35.4%
21	VIRAL MENINGITIS	1,007	978	69	597	604	0.5928	0.6440	-8.6%
22	HYPERTENSIVE ENCEPHALOPATHY	105	105	0	73	81	0.6976	0.7688	-10.2%
23	NONTRAUMATIC STUPOR & COMA	146	147	-1	180	143	1.2326	0.9709	-21.2%
24	SEIZURE & HEADACHE AGE >17 W CC	1,089	982	87	1,248	1,055	1.1673	1.0744	-8.0%
25	SEIZURE & HEADACHE AGE >17 W/O CC	4,393	4,483	-90	3,023	2,874	0.6881	0.6410	-6.9%
26	SEIZURE & HEADACHE AGE 0-17	2,249	2,234	15	1,239	1,401	0.6271	0.5510	-13.8%
27	TRAUMATIC STUPOR & COMA COMA >1 HR	539	498	41	1,521	1,747	2.8220	3.5090	-24.3%
28	TRAUMATIC STUPOR & COMA COMA <1 HR AGE >17 W CC	456	279	177	861	549	1.8876	1.9691	-4.3%
29	TRAUMATIC STUPOR & COMA COMA <1 HR AGE >17 W/O CC	1,141	1,211	-142	1,005	1,270	0.8812	1.769	-100.8%
30	TRAUMATIC STUPOR & COMA <1 HR AGE 0-17	812	800	1	385	551	0.4738	0.6865	-45.3%
31	CONCUSSION AGE >17 W CC	188	137	51	181	98	0.9625	0.7147	-25.7%
32	CONCUSSION AGE >17 W/O CC	856	903	-47	387	475	0.4518	0.5255	-16.3%
33	CONCUSSION AGE 0-17	344	345	-1	90	111	0.2609	0.3214	-23.2%
34	OTHER DISORDERS OF NERVOUS SYSTEM W CC	484	421	63	1,056	1,115	2.1825	2.6489	-21.4%
35	OTHER DISORDERS OF NERVOUS SYSTEM W/O CC	995	1,055	-60	914	1,648	0.9188	1.5616	-70.0%
36	RETINAL PROCEDURES	486	475	11	452	426	0.9308	0.8976	-3.6%
37	ORBITAL PROCEDURES	269	280	-11	273	301	1.0130	1.0755	-6.2%
38	PRIMARY IRIS PROCEDURES	74	75	-1	40	38	0.431	0.5091	-6.3%
39	LENS PROCEDURES WITH OR WITHOUT VITRECTOMY	6,331	6,287	44	4,953	5,106	0.7824	0.8121	-3.8%
40	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE >17	3,045	3,105	-60	1,786	2,325	0.5866	0.7487	-27.6%
41	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE 0-17	1,553	1,552	1	736	843	0.4737	0.5433	-14.7%
42	INTRACULAR PROCEDURES EXCEPT RETINA, IRIS & LENS	796	806	-10	681	720	0.8558	0.8936	-4.4%
43	HYPERHAMA	289	270	19	79	72	0.2920	0.2675	-8.4%
44	ACUTE MAJOR EYE INFECTIONS	507	501	6	254	247	0.5019	0.4935	1.7%
45	NEUROLOGICAL EYE DISORDERS	351	352	-1	218	243	0.6202	0.6917	-5%
46	OTHER DISORDERS OF THE EYE AGE >17 W CC	333	299	34	254	270	0.7631	0.9026	-18.3%
47	OTHER DISORDERS OF THE EYE AGE >17 W/O CC	1,621	1,670	-49	1,124	981	0.6932	0.5877	-15.2%
48	OTHER DISORDERS OF THE EYE AGE 0-17	429	398	31	235	189	0.5469	0.4747	-13.2%
49	MAJOR HEAD & NECK PROCEDURES	271	203	68	928	606	3.4251	2.9874	-12.8%
50	SIALOADENECTOMY	449	450	-1	372	365	0.8279	0.8115	-2.0%
51	SALIVARY GLAND PROCEDURES EXCEPT SIALOADENECTOMY	67	77	-10	58	58	0.8694	0.7547	-13.2%
52	CLEFT LIP & PALATE REPAIR	259	298	-39	178	213	0.6883	0.7158	-4.0%
53	SINUS & MASTOID PROCEDURES AGE >17	1,976	2,033	-57	1,731	1,673	0.8759	0.8230	-6.0%

Continued

EXHIBIT 3-4: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs)
(SORTED IN DRG ORDER)
(Continued)

DRG	DESCRIPTION	VERSION 4		VEH	DIFFERENCE		VERSION 8		%AGE CHANGE	
		DISP	RWPs		IN	DISPOSITIONS	CMi	RWPs	CMi	IN	CMi
54	SINUS & MASTOID PROCEDURES AGE 0-17	240	205	35			183	0.8119	0.8927	10.0%
55	MISCELLANEOUS EAR, NOSE & THROAT PROCEDURES	4,682	3,221	1,461			2,166	0.5638	0.6726	19.3%
56	RHINOPLASTY	4,180	5,466	-1,286			2,199	0.5261	0.5923	12.6%
57	T & A PROC, EXCEPT TONSILLECTOMY & OR ADENOIDECTOMY ONLY, AGE >17	658	766	-108			542	0.5552	0.7071	27.3%
58	T & A PROC, EXCEPT TONSILLECTOMY & OR ADENOIDECTOMY ONLY, AGE 0-17	2,174	2,271	-97			1,034	0.3896	0.4554	16.9%
59	TONSILLECTOMY & OR ADENOIDECTOMY ONLY, AGE >17	2,269	2,273	-4			913	0.4015	0.4015	0.0%
60	TONSILLECTOMY & OR ADENOIDECTOMY ONLY, AGE 0-17	3,138	3,146	-8			1,084	0.3455	0.3479	0.7%
61	MYRINGOTOMY WITH TUBE INSERTION AGE >17	146	215	-69			226	1.3327	1.0520	21.1%
62	MYRINGOTOMY WITH TUBE INSERTION AGE 0-17	5,932	5,998	-66			3,890	0.4175	0.6485	55.3%
63	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES	461	3,468	-3,007			4,186	1.2629	1.2070	-4.4%
64	EAR, NOSE, MOUTH & THROAT MALIGNANCY	487	556	-69			813	1.5836	1.4628	-7.6%
65	OTITIS MEDIA & URI >17 W/O CC	827	825	2			451	0.5726	0.5461	-4.6%
66	OTITIS MEDIA & URI AGE 0-17	237	236	1			102	0.5507	0.4333	-21.3%
67	EPIGLOTTITIS	52	52	0			50	0.9703	0.9681	-0.2%
68	OTITIS MEDIA & URI AGE >17 W CC	1,497	1,440	57			996	0.7427	0.6917	-6.9%
69	OTITIS MEDIA & URI >17 W/O CC	10,377	10,446	-69			5,247	0.4994	0.5023	0.6%
70	OTITIS MEDIA & URI AGE 0-17	4,060	3,918	142			1,684	0.4287	0.4298	0.3%
71	LARYNGOTRACHEITIS	1,084	1,081	3			390	0.3827	0.3605	-5.8%
72	NASAL TRAUMA & DEFORMITY	488	493	-5			289	0.4713	0.5867	24.5%
73	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE >17	1,465	1,479	-14			904	0.8097	0.6114	-24.5%
74	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE 0-17	890	820	70			516	0.5622	0.6296	12.0%
75	MAJOR CHEST PROCEDURES	1,629	1,134	495			4,078	3.4583	3.5963	4.0%
76	OTHER RESP SYSTEM O.R. PROCEDURES W CC	311	584	-273			1,660	3.7818	2.8426	-24.8%
77	OTHER RESP SYSTEM O.R. PROCEDURES W/O CC	311	446	-135			753	2.0515	1.6891	-17.7%
78	PULMONARY EMBOLISM	363	351	12			513	1.5075	1.4609	-3.1%
79	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 W CC	580	445	135			1,084	2.9381	2.4366	-17.1%
80	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 W/O CC	244	297	-53			358	1.2043	1.2043	-25.0%
81	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE 0-17	96	90	6			202	1.6095	2.2451	39.5%
82	RESPIRATORY NEOPLASMS	2,205	2,204	1			4,146	1.6019	1.8812	17.4%
83	MAJOR CHEST TRAUMA W CC	102	84	18			112	3.0770	1.3332	-55.7%
84	MAJOR CHEST TRAUMA W/O CC	92	99	-7			66	0.7200	0.6698	-7.0%
85	PLEURAL EFFUSION W CC	350	321	29			829	1.4686	2.5836	75.9%
86	PLEURAL EFFUSION W/O CC	173	204	-31			192	0.9445	0.9416	-0.3%
87	PULMONARY EDEMA & RESPIRATORY FAILURE	157	231	-74			556	3.4656	2.4077	-30.5%
88	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	3,955	3,999	-44			4,611	1.4712	1.1529	-21.6%
89	SIMPLE PNEUMONIA & PLEURISY AGE >17 W CC	3,331	2,944	387			4,271	1.6104	1.4508	-9.9%
90	SIMPLE PNEUMONIA & PLEURISY AGE >17 W/O CC	3,692	3,445	247			3,257	0.9331	0.8204	-12.1%
91	SIMPLE PNEUMONIA & PLEURISY AGE 0-17	3,504	3,400	104			2,334	0.6603	0.6865	4.0%
92	INTERSTITIAL LUNG DISEASE W CC	390	355	35			595	1.6163	1.6752	3.6%
93	INTERSTITIAL LUNG DISEASE W/O CC	335	358	-23			348	0.8696	0.9716	11.7%
94	PNEUMOTHORAX W CC	211	182	29			285	1.6947	1.5666	-7.6%
95	PNEUMOTHORAX W/O CC	613	627	-14			415	0.6492	0.6626	2.1%
96	BRONCHITIS & ASTHMA AGE >17 W CC	1,556	1,375	181			1,461	1.1991	1.0626	-11.4%
97	BRONCHITIS & ASTHMA AGE >17 W/O CC	4,342	4,368	-26			3,308	0.8741	0.7573	-13.4%
98	BRONCHITIS & ASTHMA AGE 0-17	6,914	6,853	61			3,980	0.5405	0.5807	7.4%
99	RESPIRATORY SIGNS & SYMPTOMS W CC	665	622	43			645	0.9782	1.0376	6.0%
100	RESPIRATORY SIGNS & SYMPTOMS W/O CC	1,325	1,428	-103			953	0.6785	0.6676	-1.8%
101	OTHER RESPIRATORY SYSTEM DIAGNOSES W CC	1,018	556	462			734	1.6822	1.3195	-21.6%
102	OTHER RESPIRATORY SYSTEM DIAGNOSES W/O CC	1,645	1,788	-143			1,336	0.8460	0.7470	-11.7%
103	HEART TRANSPLANT	0	0	0			0	.....	.....	.....
104	CARDIAC VALVE PROCEDURE W CARDIAC CATH	122	125	-3			881	7.2176	8.7435	21.1%
105	CARDIAC VALVE PROCEDURE W/O CARDIAC CATH	202	195	7			1,242	6.1474	6.7287	9.5%
106	CORONARY BYPASS W CARDIAC CATH	654	653	1			3,991	6.0167	6.1116	1.6%

Continued

EXHIBIT 3-4: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWP's, AND CASE-MIX INDICES (CMIs)
(SORTED IN DRG ORDER)
(Continued)

DRG	DESCRIPTION	VERSION 4 DISP.	VERSION 8 DISP.	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWP's	VERSION 8 RWP's	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
107	CORONARY BYPASS W/OUT AORTIC CATH	702	663	39	3,594	3,525	5,1194	5,3164	3.8%
108	OTHER CARDIOTHORACIC PROCEDURES	147	189	-42	562	1,113	3,8231	5,8889	-34.0%
109	NO LONGER VALID	249	0	249	1,352	0	5,4304		
110	MAJOR CARDIOVASCULAR PROCEDURES W/CC	532	401	131	2,134	1,756	4,0110	4,3785	9.2%
111	MAJOR CARDIOVASCULAR PROCEDURES W/O CC	283	339	-56	804	966	2,8422	2,8482	0.2%
112	PERCUTANEOUS CARDIOVASCULAR PROCEDURES	2,022	1,641	381	5,085	3,904	2,5147	2,3789	5.4%
113	AMPUTATION FOR CIRC SYSTEM DISORDERS EXCEPT UPPER LIMB & TOE	130	173	-43	553	749	4,2528	4,3314	1.8%
114	UPPER LIMB & TOE AMPUTATION FOR CIRC SYSTEM DISORDERS	75	77	-2	172	162	2,2947	2,0998	-8.5%
115	PERM CARDIAC PACEMAKER IMPLANT W/AMI, HEART FAILURE OR SHOCK	5	1	4	24	5	4,7176	4,7169	0.0%
116	PERM CARDIAC PACEMAKER IMPLANT W/O AMI, HEART FAILURE OR SHOCK	80	81	-1	260	267	3,2513	3,2982	-1.4%
117	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT	96	52	44	167	70	1,7418	1,3548	-22.2%
118	CARDIAC PACEMAKER DEVICE REPLACEMENT	21	181	-160	45	497	2,1623	2,7442	-26.9%
119	VEIN LIGATION & STRIPPING	1,131	1,132	-1	979	909	0,8657	0,8027	-7.3%
120	OTHER CIRCULATORY SYSTEM O.R. PROCEDURES	245	196	49	1,035	706	4,2238	3,6045	-14.7%
121	CIRCULATORY DISORDERS W/AMI & C.V. COMP DISCH ALIVE	926	566	360	1,740	1,036	1,8795	1,8299	-2.6%
122	CIRCULATORY DISORDERS W/AMI W/O C.V. COMP DISCH ALIVE	2,970	1,780	1,190	3,713	2,164	1,2501	1,2155	-2.8%
123	CIRCULATORY DISORDERS W/AMI, EXPIRED	276	173	103	991	556	3,5903	3,2113	-10.6%
124	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH & COMPL	1,284	1,361	-77	1,878	1,949	1,4629	1,4321	-2.1%
125	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH W/O COMPL & DIAG	5,888	6,116	-228	5,794	6,142	0,9738	1,0043	-3.1%
126	ACUTE & SUBACUTE ENDOCARDITIS	95	97	-2	330	274	3,4787	2,8201	-18.9%
127	HEART FAILURE & SHOCK	2,997	3,091	-94	3,832	4,022	1,2786	1,3013	-1.8%
128	DEEP VEIN THROMBOPHLEBITIS	192	192	0	174	163	0,9064	0,8510	-6.1%
129	CARDIAC ARREST, UNEXPLAINED	141	145	-4	727	368	5,1585	2,5359	-50.8%
130	PERIPHERAL VASCULAR DISORDERS W/CC	1,331	1,056	275	1,524	1,348	1,1452	1,2763	-11.4%
131	PERIPHERAL VASCULAR DISORDERS W/O CC	1,581	1,898	-317	1,230	1,370	0,7781	0,7221	-7.2%
132	ATHEROSCLEROSIS W/CC	1,598	1,664	-66	1,787	2,655	1,1181	1,5954	-42.7%
133	ATHEROSCLEROSIS W/O CC	1,120	1,999	-879	1,116	2,342	0,9866	1,1714	-17.5%
134	HYPERTENSION	1,586	1,528	58	1,092	989	0,6882	0,6473	-5.9%
135	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 W/CC	291	251	40	296	485	1,0165	1,9330	-90.2%
136	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 W/O CC	239	278	-39	1,175	166	0,7316	0,5967	-18.4%
137	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE 0-17	375	719	-344	396	614	1,0564	1,9251	-82.2%
138	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W/CC	2,768	3,311	-543	2,584	1,843	0,9337	0,9744	-4.4%
139	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W/O CC	2,330	3,026	-696	1,626	1,949	0,6980	0,6442	-7.7%
140	ANGINA PECTORIS	3,126	3,219	-93	2,364	2,362	0,7561	0,7338	-3.0%
141	SYNCOPE & COLLAPSE W/CC	953	751	202	706	555	0,7406	0,7394	-0.2%
142	SYNCOPE & COLLAPSE W/O CC	1,318	1,499	-181	801	890	0,6076	0,5935	-2.3%
143	CHEST PAIN	7,703	7,772	-69	5,284	4,952	0,6860	0,6371	-7.1%
144	OTHER CIRCULATORY DIAGNOSES WITH CC	816	904	-88	1,157	1,372	1,4175	1,5176	-7.1%
145	OTHER CIRCULATORY DIAGNOSES W/O CC	693	762	-69	652	747	0,9412	0,9803	-4.2%
146	RECTAL RESECTION W/CC	186	81	105	694	246	3,7335	3,0399	-18.6%
147	RECTAL RESECTION W/O CC	176	113	63	436	205	2,4778	1,8128	-26.8%
148	MAJOR SMALL & LARGE BOWEL PROCEDURES W/CC	1,683	1,442	241	6,526	5,407	3,8778	3,7494	-3.3%
149	MAJOR SMALL & LARGE BOWEL PROCEDURES W/O CC	1,138	1,412	-274	2,424	2,797	2,1302	1,9808	-7.0%
150	PERITONEAL ADHESION W/CC	288	234	54	706	658	2,4521	2,8131	-14.7%
151	PERITONEAL ADHESION W/O CC	479	531	-52	726	655	1,5154	1,2342	-18.6%
152	MINOR SMALL & LARGE BOWEL PROCEDURES W/CC	1,059	55	1,004	3,202	120	3,0236	2,1855	-27.7%
153	MINOR SMALL & LARGE BOWEL PROCEDURES W/O CC	3,092	269	2,823	5,916	313	1,9133	1,1638	-39.2%
154	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 W/CC	662	562	100	2,654	2,281	4,0091	4,0580	-1.2%
155	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 W/O CC	614	644	-30	1,249	1,153	2,0339	1,7908	-11.9%
156	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE 0-17	273	205	68	364	336	1,3339	1,6374	-22.7%
157	ANAL & RECTAL PROCEDURES W/CC	662	426	236	732	425	1,1058	0,9986	-9.7%
158	ANAL & RECTAL PROCEDURES W/O CC	4,001	4,245	-244	2,614	2,551	0,6533	0,6009	-8.0%
159	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 W/CC	523	353	170	657	418	1,2565	1,1834	-5.8%

Continued

EXHIBIT 3-4: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs)
(SORTED IN DRG ORDER)
(Continued)

DRG	DESCRIPTION	VERSION 4 DISP.	VERSION 8 DISP.	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
160	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 W/O CC	2,222	2,384	-162	1,875	1,971	0.8440	0.8266	2.1%
161	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W CC	1,480	687	793	1,317	491	0.8896	0.7141	14.7%
162	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W/O CC	9,772	10,552	-780	5,504	5,820	0.5633	0.5516	2.1%
163	HERNIA PROCEDURES AGE 0-17	3,219	3,191	28	1,520	1,545	0.4721	0.4842	2.6%
164	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W CC	244	203	41	580	422	2.3776	2.0810	12.5%
165	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W/O CC	734	778	-44	907	916	1.2358	1.1772	4.7%
166	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W CC	309	292	17	403	321	1.3034	1.0984	15.7%
167	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W/O CC	4,063	4,082	-19	2,921	2,987	0.7189	0.7318	1.8%
168	MOUTH PROCEDURES W CC	645	1,35	510	1,440	153	2.2325	1.1346	49.2%
169	MOUTH PROCEDURES W/O CC	4,062	1,306	2,756	4,235	962	1.0427	0.7364	29.4%
170	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W CC	219	185	34	767	662	3.5043	3.5782	2.1%
171	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W/O CC	775	721	54	1,068	850	1.3786	1.1791	14.5%
172	DIGESTIVE MALIGNANCY W CC	848	718	130	1,505	1,607	1.7745	2.2382	26.1%
173	DIGESTIVE MALIGNANCY W/O CC	479	715	-236	746	1,204	1.5566	1.6839	8.2%
174	G.I. HEMORRHAGE W CC	1,906	1,584	322	2,279	1,675	1.1959	1.0573	11.6%
175	G.I. HEMORRHAGE W/O CC	1,931	2,529	-598	1,438	1,735	0.7445	0.6861	7.8%
176	COMPLICATED PEPTIC ULCER	320	825	-505	403	879	1.2588	1.4057	11.7%
177	UNCOMPLICATED PEPTIC ULCER W CC	100	269	-169	346	253	0.9389	0.9396	0.1%
178	UNCOMPLICATED PEPTIC ULCER W/O CC	1,049	1,621	-572	770	1,152	0.7339	0.7105	3.2%
179	INFLAMMATORY BOWEL DISEASE	1,191	1,220	-29	1,401	1,666	1.1760	1.3655	16.1%
180	G.I. OBSTRUCTION W CC	617	443	174	611	482	1.0816	1.0886	0.7%
181	G.I. OBSTRUCTION W/O CC	851	1,041	-190	523	631	0.6141	0.6064	1.3%
182	ESOPHAGITIS, GASTROENT. & MISC DIGEST DISORDERS AGE >17 W CC	6,374	5,330	1,044	5,453	4,327	0.8555	0.8117	5.1%
183	ESOPHAGITIS, GASTROENT. & MISC DIGEST DISORDERS AGE >17 W/O CC	18,650	22,079	-3,429	11,892	14,078	0.6377	0.6377	0.0%
184	ESOPHAGITIS, GASTROENT. & MISC DIGEST DISORDERS AGE 0-17	5,559	5,477	82	2,053	2,236	0.3692	0.4083	10.6%
185	DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS, AGE >17	1,425	1,335	90	1,744	1,350	1.2237	1.0113	17.4%
186	DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS, AGE 0-17	439	461	-22	206	211	0.4697	0.4582	2.4%
187	DENTAL EXTRACTIONS & RESTORATIONS	14,391	14,400	-9	7,584	9,847	0.5270	0.6838	29.8%
188	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 W CC	1,950	1,008	942	2,701	1,190	1.3852	1.1801	14.8%
189	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 W/O CC	4,951	6,152	-1,201	3,830	3,872	0.7735	0.6294	18.6%
190	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE 0-17	694	654	40	322	303	0.4637	0.4637	0.0%
191	PANCREAS, LIVER & SHUNT PROCEDURES W CC	175	212	-37	1,090	1,324	6.2289	6.2432	0.2%
192	PANCREAS, LIVER & SHUNT PROCEDURES W/O CC	156	117	39	1,009	364	6.4666	3.1094	51.9%
193	BILIARY TRACT PROC EXCEPT ONLY TOT CHOLECYST W OR W/O C.D.E. W	138	139	-1	587	580	4.2512	4.1710	1.9%
194	BILIARY TRACT PROC EXCEPT ONLY TOT CHOLECYST W OR W/O C.D.E. W/O CC	103	102	1	221	175	2.1501	1.7125	20.4%
195	TOTAL CHOLECYSTECTOMY W C.D.E. W CC	341	274	67	742	527	2.1771	1.9228	11.7%
196	TOTAL CHOLECYSTECTOMY W C.D.E. W/O CC	163	199	-36	249	286	1.5288	1.4377	6.0%
197	TOTAL CHOLECYSTECTOMY W/O C.D.E. W CC	2,146	1,161	985	3,405	1,825	1.5867	1.5721	0.9%
198	TOTAL CHOLECYSTECTOMY W/O C.D.E. W/O CC	4,717	5,607	-890	5,405	5,723	1.1458	1.0208	10.9%
199	HEPATOBIARY DIAGNOSTIC PROCEDURE FOR MALIGNANCY	58	58	0	119	155	2.0438	2.6647	30.4%
200	HEPATOBIARY DIAGNOSTIC PROCEDURE FOR NON-MALIGNANCY	174	166	8	637	424	3.6600	2.5540	30.2%
201	OTHER HEPATOBIARY OR PANCREAS O.R. PROCEDURES	100	104	-4	383	382	3.8284	3.6893	4.2%
202	CIRRHOSIS & ALCOHOLIC HEPATITIS	666	685	-19	1,023	916	1.320	1.320	0.0%
203	MALIGNANCY OF HEPATOBIARY SYSTEM OR PANCREAS	572	593	-21	838	916	1.4653	1.5444	5.4%
204	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	1,361	1,404	-43	1,423	1,719	1.0457	1.2241	17.1%
205	DISORDERS OF LIVER EXC MALIGN. CIRRH. ALC HEPA W CC	689	656	33	1,293	1,171	1.8770	1.7849	4.9%
206	DISORDERS OF LIVER EXC MALIGN. CIRRH. ALC HEPA W/O CC	1,118	1,131	-13	908	724	0.8118	0.6403	21.1%
207	DISORDERS OF THE BILIARY TRACT W CC	407	407	0	460	450	0.9552	1.045	15.6%
208	DISORDERS OF THE BILIARY TRACT W/O CC	1,179	1,179	0	682	798	0.6111	0.6771	4.0%
209	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES	1,100	1,503	-403	3,394	4,464	3.0856	2.9701	3.7%
210	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT, AGE >17 W CC	564	299	265	2,065	868	3.6621	2.9022	20.8%
211	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT, AGE >17 W/O CC	528	598	-70	1,115	1,182	2.1113	1.9770	6.4%
212	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT, AGE 0-17	220	214	6	368	390	1.6706	1.8237	9.2%

Continued

EXHIBIT 3-4: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs)
(SORTED IN DRG ORDER)
(Continued)

LINE	DESCRIPTION	VERSION 4			DIFFERENCE			VERSION 8			%AGE CHANGE IN		
		DISP.	DISP.	DISP.	IN DISPOSITIONS	RWPs	RWPs	CMi	CMi	CMi	IN	CMi	CMi
213	AMPUTATIONS FOR MUSCULOSKELETAL SYSTEM & CONN TISSUE DISORDERS	105	107	107	-2	286	371	2,7237	3,4702	3,4702	27.4%		
214	BACK & NECK PROCEDURES W/CC	575	428	428	147	1,613	976	2,8053	2,2815	2,2815	18.7%		
215	BACK & NECK PROCEDURES W/O CC	2,874	3,010	3,010	-136	4,601	4,003	1,6010	1,3301	1,3301	16.9%		
216	BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	410	420	420	-10	769	1,037	1,8768	2,4681	2,4681	31.5%		
217	WIND DEBRID & SKN GRT EXC HAND, FOR MUSCULOSKELETAL & CONN TISS DIS	1,066	690	690	376	3,472	2,939	3,2572	4,2600	4,2600	30.8%		
218	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR AGE >17 W CC	349	270	270	79	758	483	2,1709	1,7876	1,7876	17.7%		
219	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR AGE >17 W/O	3,321	3,396	3,396	-75	3,917	3,817	1,1793	1,1241	1,1241	4.7%		
220	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR AGE 0-17	511	509	509	2	452	439	0,8840	0,8670	0,8670	-2.5%		
221	KNEE PROCEDURES W/CC	294	243	243	51	647	467	2,2001	1,9202	1,9202	-12.7%		
222	KNEE PROCEDURES W/O CC	9,575	11,644	11,644	-2,069	10,280	14,954	1,0736	1,2843	1,2843	19.6%		
223	MAJOR SHOULDER/ELBOW PROC, OR OTHER UPPER EXTREMITY PROC WITH CC	1,645	1,304	1,304	341	2,111	1,300	0,9973	0,8263	0,8263	-22.3%		
224	SHOULDER/ELBOW OR FOREARM PROC, EXC MAJOR JOINT PROC, W/O CC	2,792	2,119	2,119	673	2,451	1,751	0,8780	0,8263	0,8263	5.9%		
225	FOOT PROCEDURES	5,463	5,795	5,795	-332	4,484	4,955	0,8208	0,8551	0,8551	4.2%		
226	SOFT TISSUE PROCEDURES W/CC	221	165	165	56	313	266	1,4174	1,6095	1,6095	13.5%		
227	SOFT TISSUE PROCEDURES W/O CC	3,020	3,294	3,294	-274	2,603	2,967	0,8619	0,9008	0,9008	4.5%		
228	MAJOR THUMB OR JOINT PROC, OR OTH HAND OR WRIST PROC WITH CC	826	833	833	-7	851	773	1,0301	0,9282	0,9282	-9.9%		
229	HAND OR WRIST PROC, EXCEPT MAJOR JOINT PROC, W/O CC	6,595	6,587	6,587	8	5,376	5,102	0,8151	0,7745	0,7745	-5.0%		
230	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES OF HIP & FEMUR	702	574	574	128	674	510	0,9601	0,8880	0,8880	-7.5%		
231	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES EXCEPT HIP & FEMUR	9,352	7,986	7,986	1,366	10,639	9,723	1,1377	1,2175	1,2175	7.0%		
232	ARTHROSCOPY	3,366	3,743	3,743	-377	2,594	4,410	0,7706	1,1781	1,1781	52.9%		
233	OTHER MUSCULOSKELETAL SYS & CONN TISS O.R. PROC W/CC	304	143	143	161	825	440	2,7132	3,0803	3,0803	13.5%		
234	OTHER MUSCULOSKELETAL SYS & CONN TISS O.R. PROC W/O CC	2,101	1,825	1,825	276	2,480	2,280	1,1802	1,2494	1,2494	5.9%		
235	FRACTURES OF FEMUR	341	329	329	12	522	493	1,5293	1,4999	1,4999	-1.9%		
236	FRACTURES OF HIP & PELVIS	478	442	442	36	478	568	1,0881	1,2858	1,2858	18.2%		
237	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH	146	143	143	3	141	96	0,9677	0,6735	0,6735	-30.4%		
238	OSTEOMYELITIS	258	268	268	-10	434	380	1,6840	1,4167	1,4167	-15.9%		
239	PATHOLOGICAL FRACTURES & MUSCULOSKELETAL & CONN TISS MALIGNCY	799	811	811	-12	1,135	1,458	1,4211	1,7984	1,7984	26.5%		
240	CONNECTIVE TISSUE DISORDERS W/CC	441	411	411	30	753	733	1,7074	1,7825	1,7825	4.4%		
241	CONNECTIVE TISSUE DISORDERS W/O CC	794	846	846	-52	743	673	0,9555	0,7953	0,7953	-15.0%		
242	SEPTIC ARTHRITIS	134	136	136	-2	165	201	1,2291	1,4787	1,4787	20.3%		
243	MEDICAL BACK PROBLEMS	9,498	9,499	9,499	-1	8,065	6,798	0,8491	0,7157	0,7157	-15.7%		
244	BONE DISEASES & SEPTIC ARTHROPATHIES W/CC	342	232	232	110	320	375	0,9062	1,6160	1,6160	72.8%		
245	BONE DISEASES & SEPTIC ARTHROPATHIES W/O CC	772	889	889	-117	772	874	0,6783	0,9832	0,9832	44.9%		
246	NON-SPECIFIC ARTHROPATHIES	200	200	200	0	132	148	0,6580	0,7402	0,7402	12.5%		
247	SIGNS & SYMPTOMS OF MUSCULOSKELETAL SYSTEM & CONN TISSUE	1,786	1,819	1,819	-33	1,466	1,395	0,8210	0,7671	0,7671	-6.6%		
248	TENDONITIS, MYOSITIS & BURSTITIS	1,316	1,404	1,404	-88	910	955	0,6911	0,6800	0,6800	-1.6%		
249	AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	805	858	858	-53	978	1,062	1,2151	1,2383	1,2383	1.9%		
250	FX SPRN, STRN & DISL OF FOREARM, HAND, FOOT AGE >17 W/CC	126	81	81	45	149	92	1,1847	1,1385	1,1385	-3.9%		
251	FX SPRN, STRN & DISL OF FOREARM, HAND, FOOT AGE >17 W/O CC	1,392	1,469	1,469	-77	875	1,020	0,6286	0,6946	0,6946	10.5%		
252	FX SPRN, STRN & DISL OF FOREARM, HAND, FOOT AGE 0-17	773	780	780	-7	269	312	0,3482	0,4004	0,4004	15.0%		
253	FX SPRN, STRN & DISL OF UPARM, LOWLEG EX FOOT AGE >17 W/CC	384	317	317	67	469	479	1,2211	1,5121	1,5121	23.8%		
254	FX SPRN, STRN & DISL OF UPARM, LOWLEG EX FOOT AGE >17 W/O CC	3,533	3,613	3,613	-80	2,186	2,458	0,6188	0,6803	0,6803	9.9%		
255	FX SPRN, STRN & DISL OF UPARM, LOWLEG EX FOOT AGE 0-17	726	729	729	-3	302	345	0,4158	0,4738	0,4738	13.9%		
256	OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSES	2,186	2,320	2,320	-134	1,908	2,120	0,8727	0,9138	0,9138	4.7%		
257	TOTAL MASTECTOMY FOR MALIGNANCY W/CC	552	422	422	130	681	470	1,2337	1,1131	1,1131	-9.8%		
258	TOTAL MASTECTOMY FOR MALIGNANCY W/O CC	884	1,016	1,016	-132	897	906	1,0098	0,8913	0,8913	-11.7%		
259	SUBTOTAL MASTECTOMY FOR MALIGNANCY W/CC	211	117	117	94	368	239	1,7447	2,0462	2,0462	17.3%		
260	SUBTOTAL MASTECTOMY FOR MALIGNANCY W/O CC	663	759	759	-96	591	646	0,8914	0,8510	0,8510	-4.5%		
261	BREAST PROC FOR NON-MALIGNANCY EXCEPT BIOPSY & LOCAL EXCISION	2,311	2,517	2,517	-206	2,232	2,465	0,9499	0,9794	0,9794	3.1%		
262	BREAST BIOPSY & LOCAL EXCISION FOR NON-MALIGNANCY	6,056	6,058	6,058	-2	3,418	3,624	0,5644	0,5982	0,5982	6.0%		
263	SKIN GRAFT &/OR DEBRID FOR SKIN ULCER OR CELLULITIS W/CC	211	123	123	88	787	452	3,7297	3,6719	3,6719	-1.5%		
264	SKIN GRAFT &/OR DEBRID FOR SKIN ULCER OR CELLULITIS W/O CC	194	145	145	49	411	305	2,1175	2,1025	2,1025	-0.7%		
265	SKIN GRAFT &/OR DEBRID EXCEPT FOR SKIN ULCER OR CELLULITIS W/	244	165	165	79	490	344	2,0081	2,0860	2,0860	3.9%		

Continued

EXHIBIT 3-4: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs)
(SORTED IN DRG ORDER)
(Continued)

DRG	DESCRIPTION	VERSION 4 DISP.	VERSION 8 DISP.	DIFFERENCE DISPOSITIONS	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
266	SKIN GRAFT AND/OR DEBRID EXCEPT FOR SKIN ULCER OR CELLULITIS W/	1,392	1,033	359	1,532	1,186	1,1009	1,1484	4.3%
267	PERIANAL & PILONIDAL PROCEDURES	1,575	1,565	10	864	928	0.5483	0.5929	8.1%
268	SKIN, SUBCUTANEOUS TISSUE & BREAST PLASTIC PROCEDURES	1,697	1,704	-7	1,368	1,468	0.8060	0.8617	6.9%
269	OTHER SKIN, SUBCUT TISS & BREAST O.R. PROC. W/CC	725	370	355	1,482	835	2.0435	2.2560	-10.4%
270	OTHER SKIN, SUBCUT TISS & BREAST O.R. PROC. W/O CC	5,627	6,050	-423	5,236	5,610	0.9304	0.9272	0.3%
271	SKIN ULCERS	230	282	-52	297	507	1.2923	1.7984	-29.2%
272	MAJOR SKIN DISORDERS W/CC	211	163	48	228	222	1.0827	1.3631	-25.9%
273	MAJOR SKIN DISORDERS W/O CC	326	329	-3	259	305	0.8821	0.9344	-5.9%
274	MALIGNANT BREAST DISORDERS W/CC	385	347	38	569	871	1.5307	2.5096	-64.0%
275	MALIGNANT BREAST DISORDERS W/O CC	273	309	-36	265	673	1.0424	2.1771	-108.8%
276	NON-MALIGNANT BREAST DISORDERS	1,914	1,915	-1	1,167	1,514	0.6098	0.7904	-29.6%
277	CELLULITIS AGE >17 W/CC	1,445	1,277	168	1,572	1,267	1.0879	0.9825	-8.8%
278	CELLULITIS AGE >17 W/O CC	4,397	4,709	-312	3,354	3,172	0.7627	0.6735	-11.7%
279	CELLULITIS AGE 0-17	1,051	1,017	34	587	531	0.5588	0.5223	-6.5%
280	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE >17 W/CC	886	804	82	649	709	0.7327	0.8818	-20.3%
281	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE >17 W/O CC	2,730	3,018	-288	1,380	1,886	0.5056	0.6249	-23.6%
282	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE 0-17	485	528	-43	176	229	0.3624	0.4336	-19.7%
283	MINOR SKIN DISORDERS W/CC	738	467	271	629	403	0.8528	0.8636	-1.3%
284	MINOR SKIN DISORDERS W/O CC	2,915	3,068	-153	1,826	1,924	0.6265	0.6271	0.1%
285	AMPUTATION OF LOWER LIMB FOR ENDOCRINE, NUTRIT & METABOL DISORDERS	77	77	0	207	243	2.6920	3.1618	-17.5%
286	ADRENAL & PITUITARY PROCEDURES	118	118	0	353	265	2.9897	2.2467	-24.9%
287	SKIN GRAFTS & WOUND DEBRID FOR ENDOC, NUTRIT & METAB DISORDERS	119	57	62	261	165	2.1963	2.8927	-31.7%
288	O.R. PROCEDURES FOR OBESITY	274	273	1	498	470	1.8161	1.7234	-5.1%
289	PARATHYROID PROCEDURES	118	117	1	127	112	1.0763	0.9558	-11.2%
290	THYROID PROCEDURES	1,312	1,309	3	1,110	1,063	0.8458	0.8124	-3.9%
291	THYROID GLAND PROCEDURES	137	137	0	60	72	0.4394	0.5258	-19.7%
292	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC. W/CC	60	54	6	170	192	2.8313	3.5642	-25.9%
293	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC. W/O CC	79	83	-4	166	111	2.1075	1.3416	-36.3%
294	DIABETES AGE >35	2,225	2,295	-60	1,761	1,809	0.7881	0.7882	0.0%
295	DIABETES AGE 0-35	1,525	1,527	-2	1,018	935	0.6679	0.6122	-8.3%
296	NUTRITIONAL & MISC METABOLIC DISORDERS AGE >17 W/CC	1,712	1,356	356	2,012	1,645	1.1750	1.2131	-3.2%
297	NUTRITIONAL & MISC METABOLIC DISORDERS AGE >17 W/O CC	2,196	2,575	-379	1,774	1,601	0.8078	0.6216	-23.0%
298	NUTRITIONAL & MISC METABOLIC DISORDERS AGE 0-17	1,871	1,808	63	1,261	887	0.6739	0.4908	-27.2%
299	INBORN ERRORS OF METABOLISM	339	345	-6	401	410	1.1828	1.1871	-0.4%
300	ENDOCRINE DISORDERS W/CC	462	397	65	530	463	1.1478	1.1651	-1.5%
301	ENDOCRINE DISORDERS W/O CC	942	1,011	-69	708	709	0.7520	0.7017	-6.7%
302	KIDNEY TRANSPLANT	68	68	0	266	483	3.9128	7.1072	-81.6%
303	KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NEOPLASM	356	342	14	879	926	2.4696	2.7075	-9.6%
304	KIDNEY, URETER & MAJOR BLADDER PROC FOR NON-NEOPL W/CC	378	290	88	867	621	2.2927	2.1402	-6.6%
305	KIDNEY, URETER & MAJOR BLADDER PROC FOR NON-NEOPL W/O CC	716	768	-52	1,003	967	1.2588	1.2588	-10.1%
306	PROSTATECTOMY W/CC	267	108	159	620	174	2.3227	1.6121	-30.6%
307	PROSTATECTOMY W/O CC	215	328	-113	234	281	1.0882	0.8557	-21.4%
308	MINOR BLADDER PROCEDURES W/CC	219	156	63	356	249	1.6239	1.5958	-1.7%
309	MINOR BLADDER PROCEDURES W/O CC	228	359	-131	293	381	1.2858	1.0624	-17.4%
310	TRANSURETHRAL PROCEDURES W/CC	697	382	315	834	446	1.1962	1.1671	-2.4%
311	TRANSURETHRAL PROCEDURES W/O CC	1,037	1,363	-326	862	1,102	0.8314	0.8085	-2.8%
312	URETHRAL PROCEDURES, AGE >17 W/CC	125	56	69	110	51	0.8827	0.9155	-3.7%
313	URETHRAL PROCEDURES, AGE >17 W/O CC	488	534	-46	372	409	0.7633	0.7654	-0.3%
314	URETHRAL PROCEDURES, AGE 0-17	138	138	0	91	95	0.6561	0.6876	-4.8%
315	OTHER KIDNEY & URINARY TRACT O.R. PROCEDURES	411	437	-26	1,345	1,303	3.2721	2.9817	-8.9%
316	RENAL FAILURE	743	968	-225	1,693	2,149	2.2784	2.2196	-2.6%
317	ADMIT FOR RENAL DIALYSIS	1,043	1,042	1	612	468	0.5863	0.4494	-23.3%
318	KIDNEY & URINARY TRACT NEOPLASMS W/CC	255	220	35	468	453	1.8342	2.0596	-12.3%

Continued

EXHIBIT 3-4: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWP's, AND CASE-MIX INDICES (CMIs)
(SORTED IN DRG ORDER)
(Continued)

DRG	DESCRIPTION	VERSION 4		DIFFERENCE		VERSION 8		%CASE CHANGE	
		DISP	DISP	IN POSITIONS	RWP's	CMi	CMi	IN	CMi
319	KIDNEY & URINARY TRACT NEOPLASMS W/O CC	114	163	-49	96	0.8418	1.4235	69.1%	
320	KIDNEY & URINARY TRACT INFECTIONS AGE >17 W/CC	1,776	1,434	342	1,750	0.9851	0.9923	0.1%	
321	KIDNEY & URINARY TRACT INFECTIONS AGE >17 W/O CC	2,841	3,194	-353	1,864	0.6562	0.6350	0.1%	
322	KIDNEY & URINARY TRACT INFECTIONS AGE 0-17	1,391	1,342	49	750	0.5394	0.5427	0.6%	
323	URINARY STONES W/CC, & OR ESW LITHOTRIPSY	969	1,432	-463	978	1.0094	0.8005	20.7%	
324	URINARY STONES W/O CC	3,375	2,917	458	1,987	0.5888	0.5120	13.0%	
325	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 W/CC	333	210	123	328	0.9837	1.1214	14.0%	
326	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 W/O CC	602	622	-20	439	0.7286	0.5999	17.7%	
327	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE 0-17	171	105	66	97	0.6886	0.4107	27.8%	
328	URETHRAL STRICTURE AGE >17 W/CC	38	28	10	27	0.7084	0.9195	29.8%	
329	URETHRAL STRICTURE AGE >17 W/O CC	78	90	-12	54	0.6950	0.5609	19.3%	
330	URETHRAL STRICTURE AGE 0-17	43	43	0	14	0.3158	0.3354	6.2%	
331	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 W/CC	902	643	259	1,131	1.2544	1.0810	13.8%	
332	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 W/O CC	861	1,084	-223	585	0.6790	0.7170	5.6%	
333	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE 0-17	383	433	-50	260	0.6777	0.9921	46.4%	
334	MAJOR MALE PELVIC PROCEDURES WITH CC	161	137	24	392	2.4372	2.5191	3.4%	
335	MAJOR MALE PELVIC PROCEDURES W/O CC	352	373	-21	654	1.8573	1.7298	6.9%	
336	TRANSURETHRAL PROSTATECTOMY W/CC	1,106	397	709	1,140	1.0312	1.1379	10.4%	
337	TRANSURETHRAL PROSTATECTOMY W/O CC	801	1,510	-709	653	0.8152	0.7605	6.7%	
338	TESTES PROCEDURES, FOR MALIGNANCY	437	435	2	414	0.9475	1.1276	19.0%	
339	TESTES PROCEDURES, NON-MALIGNANCY AGE >17	3,040	3,040	0	1,951	0.6419	0.5991	6.7%	
340	TESTES PROCEDURES, NON-MALIGNANCY AGE 0-17	1,308	1,306	2	702	0.5367	0.5308	1.1%	
341	PENIS PROCEDURES	923	940	-17	939	1.0172	1.0046	1.2%	
342	CIRCUMCISION AGE >17	1,152	1,152	0	589	0.5113	0.6328	23.8%	
343	CIRCUMCISION AGE 0-17	2,479	1,911	568	1,781	0.7184	0.4710	34.4%	
344	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROCEDURES FOR MALIGNANCY	94	95	-1	138	1.4647	1.9190	31.0%	
345	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC EXCEPT FOR MALIGNANCY	196	193	3	189	0.9642	0.5913	38.7%	
346	MALIGNANCY, MALE REPRODUCTIVE SYSTEM, W/CC	279	279	0	765	1.8515	1.6126	12.9%	
347	MALIGNANCY, MALE REPRODUCTIVE SYSTEM, W/O CC	225	358	-133	233	1.0352	1.9734	90.6%	
348	BENIGN PROSTATIC HYPERTROPHY W/CC	227	99	128	180	0.7944	0.5868	26.1%	
349	BENIGN PROSTATIC HYPERTROPHY W/O CC	263	393	-130	164	0.6223	0.5423	12.8%	
350	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM	1,408	1,401	7	989	0.7027	0.6381	9.2%	
351	STERILIZATION, MALE	3,693	3,702	-9	1,405	0.3804	0.4042	6.2%	
352	OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES	679	681	-2	448	0.6601	0.6643	0.6%	
353	PELVIC EVISCERATION, RADICAL HYSTERECTOMY & VULVECTOMY	114	114	0	255	2.2374	2.5708	14.9%	
354	UTERINE ADENEXA PROC FOR NON-OVARIAN/ADNEXAL MALIGN W/CC	138	122	16	238	1.7227	1.6470	4.4%	
355	UTERINE ADENEXA PROC FOR NON-OVARIAN/ADNEXAL MALIGN W/O CC	248	265	-17	308	1.2426	1.0460	15.8%	
356	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES	1,410	1,232	178	1,336	0.9472	0.8469	10.5%	
357	UTERUS & ADNEXA PROC FOR OVARIAN OR ADNEXAL MALIGNANCY	183	183	0	432	2.3613	2.1363	9.5%	
358	UTERUS & ADNEXA PROC FOR NON-MALIGNANCY W/CC	2,533	2,400	133	3,407	2.8336	1.1817	12.1%	
359	UTERUS & ADNEXA PROC FOR NON-MALIGNANCY W/O CC	10,384	10,545	-161	9,996	0.9626	0.8913	7.4%	
360	VAGINA, CERVIX & VULVA PROCEDURES	2,195	2,103	92	1,729	0.7877	0.8748	11.1%	
361	LAPAROSCOPIC & INCISIONAL TUBAL INTERRUPTION	8,587	8,831	-244	6,589	0.7225	0.8181	6.6%	
362	ENDOSCOPIC TUBAL INTERRUPTION	4,510	4,504	6	1,655	0.3670	0.4094	11.6%	
363	PAC, COAGULATION & RADIOIMPLANT, FOR MALIGNANCY	503	507	-4	489	0.9725	0.9607	1.2%	
364	PAC, COAGULATION EXCEPT FOR MALIGNANCY	4,913	5,089	-176	2,624	0.5340	0.5150	3.6%	
365	OTHER FEMALE REPRODUCTIVE SYSTEM O.R. PROCEDURES	588	584	4	865	1.4711	1.5602	6.1%	
366	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W/CC	237	206	31	332	1.4022	1.6464	17.4%	
367	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W/O CC	325	357	-32	217	0.6691	0.9679	44.7%	
368	INFECTIOUS, FEMALE REPRODUCTIVE SYSTEM	1,938	1,935	3	1,249	0.6443	0.5848	9.2%	
369	MENSTRUATION & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS	3,527	3,370	157	1,684	0.4775	0.5291	10.8%	
370	CESAREAN SECTION WITH C.C.	4,791	4,665	126	5,958	1.2435	1.1036	11.2%	
371	CESAREAN SECTION W/O C.C.	12,884	12,998	-114	12,591	0.9772	0.8342	14.6%	

Continued

EXHIBIT 3-4: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs)
(SORTED IN DRG ORDER)
(Continued)

DRG	DESCRIPTION	VERSION 4 DISP	VERSION 8 DISP	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
372	VAGINAL DELIVERY W COMPLICATING DIAGNOSES	6,985	6,984	1	6,436	4,591	0.9215	0.6573	28.1%
373	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	64,068	64,078	-10	31,732	26,641	0.4953	0.4158	16.1%
374	VAGINAL DELIVERY W STERILIZATION AND/OR D&C	3,204	3,291	87	2,430	2,285	0.7584	0.6943	8.6%
375	VAGINAL DELIVERY WITH O.R. PROC EXCEPT STERIL & OR D&C	145	141	4	115	95	0.7897	0.6734	14.1%
376	POSTPARTUM & POST ABORTION DIAGNOSES W/O R. PROCEDURE	1,221	1,226	-5	617	619	0.5049	0.5045	0.1%
377	POSTPARTUM AND POST ABORTION DIAGNOSES W O.R. PROCEDURE	522	464	58	379	371	0.7253	0.7986	10.1%
378	ECTOPIC PREGNANCY	2,146	2,146	0	1,727	1,668	0.8047	0.7774	3.4%
379	THREATENED ABORTION	8,871	8,871	0	3,638	4,149	0.4101	0.4677	14.1%
380	ABORTION W/O D&C	1,295	1,305	-10	473	476	0.3654	0.3645	0.2%
381	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY	7,571	7,612	-41	3,305	3,655	0.4366	0.4801	10.0%
382	FALSE LABOR	1,496	1,495	1	282	324	0.1888	0.2170	14.9%
383	OTHER ANTEPARTUM DIAGNOSES W MEDICAL COMPLICATIONS	11,895	11,690	5	4,781	4,730	0.4088	0.4046	1.0%
384	OTHER ANTEPARTUM DIAGNOSES W/O MEDICAL COMPLICATIONS	8,256	8,134	122	4,016	3,598	0.4865	0.4424	9.1%
385	NO LONGER VALID	1,801	0	1,801	2,067	0	1.1478	....	....
386	NO LONGER VALID	727	0	727	3,321	0	4.5681	....	....
387	NO LONGER VALID	1,568	0	1,568	3,140	0	2.0025	....	....
388	NO LONGER VALID	2,285	0	2,285	2,020	0	0.8839	....	....
389	NO LONGER VALID	7,514	0	7,514	4,048	0	0.5387	....	....
390	NO LONGER VALID	12,428	0	12,428	2,895	0	0.2329	....	....
391	NORMAL NEWBORNS	68,097	68,355	-258	9,628	8,497	0.1414	0.1243	12.1%
392	SPLENECTOMY AGE >17	176	140	36	574	283	3.2634	2.0249	37.9%
393	SPLENECTOMY AGE 0-17	25	22	3	45	58	1.8150	2.6355	45.2%
394	OTHER O.R. PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS	918	883	35	1,419	1,271	1.5459	1.4393	6.9%
395	RED BLOOD CELL DISORDERS AGE >17	2,465	2,419	46	2,664	2,518	1.0805	1.0411	3.7%
396	RED BLOOD CELL DISORDERS AGE 0-17	577	575	2	395	345	0.6840	0.5994	12.4%
397	COAGULATION DISORDERS	701	691	10	632	859	0.9022	1.2433	37.8%
398	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W CC	2,028	553	1,475	3,433	1,019	1.6929	1.8434	8.9%
399	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W/O CC	1,114	1,280	-166	910	1,092	0.8166	0.8534	4.5%
400	LYMPHOMA & LEUKEMIA W MAJOR O.R. PROCEDURE	289	261	28	1,308	822	3.1489	3.0448	3.0%
401	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. PROC W CC	140	128	12	369	503	2.6343	3.9271	49.1%
402	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. PROCEDURE W/O CC	353	344	9	570	508	1.6142	1.4765	8.5%
403	LYMPHOMA & NON-ACUTE LEUKEMIA W CC	699	681	18	1,582	2,543	2.2636	3.7348	65.0%
404	LYMPHOMA & NON-ACUTE LEUKEMIA W/O CC	839	852	-13	1,000	1,080	1.1918	1.2680	6.4%
405	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE AGE 0-17	256	256	0	503	684	1.9654	2.6733	36.0%
406	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R. PROC W CC	107	77	30	394	350	3.6796	3.42	23.5%
407	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R. PROC W/O CC	77	90	-13	141	236	1.8299	2.6186	43.1%
408	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W OTHER O.R. PROC	527	459	68	944	1,063	1.7907	2.3168	29.4%
409	RADIOTHERAPY	464	465	-1	599	534	1.2906	1.1475	11.1%
410	CHEMOTHERAPY	3,354	3,360	-6	2,614	2,994	0.7793	0.8911	14.3%
411	HISTORY OF MALIGNANCY W/O ENDOSCOPY	108	82	26	146	33	1.3532	0.3997	70.5%
412	HISTORY OF MALIGNANCY W ENDOSCOPY	1,079	1,079	0	144	211	0.4669	0.6202	32.8%
413	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W CC	3,111	2,78	99	547	576	1.4516	2.0715	42.7%
414	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W/O CC	232	388	-156	239	470	1.0316	1.2113	17.4%
415	O.R. PROCEDURE FOR INFECTIOUS & PARASITIC DISEASES	837	684	153	3,495	3,034	4.1754	4.4358	6.2%
416	SEPTICEMIA AGE >17	454	473	-19	926	980	2.0392	2.0729	1.7%
417	SEPTICEMIA AGE 0-17	687	566	121	500	504	0.7281	0.8902	22.3%
418	POSTOPERATIVE & POST-TRAUMATIC INFECTIONS	873	969	-96	1,076	979	1.2327	1.0100	18.1%
419	FEVER OF UNKNOWN ORIGIN AGE >17 W CC	278	215	63	323	221	1.1603	1.0276	11.4%
420	FEVER OF UNKNOWN ORIGIN AGE >17 W/O CC	226	248	-22	228	192	1.0999	0.7744	29.3%
421	VIRAL ILLNESS AGE >17	9,182	9,152	30	5,148	5,639	0.5606	0.6162	9.9%
422	VIRAL ILLNESS & FEVER OF UNKNOWN ORIGIN AGE 0-17	3,050	2,714	336	1,287	1,238	0.4221	0.4561	8.1%
423	OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES	847	793	54	1,050	1,327	1.2392	1.6731	35.0%
424	O.R. PROCEDURE W PRINCIPAL DIAGNOSES OF MENTAL ILLNESS	298	245	53	1,478	1,264	4.9593	5.1608	4.1%

Continued...

EXHIBIT 3-4: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs)
(SORTED IN DRG ORDER)
(Continued)

DRG	DESCRIPTION	VERSION 4 DISP.	VERSION 8 DISP.	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
425	ACUTE ADJUST REACT & DISTURBANCES OF PSYCHOSOCIAL DYSFUNCTION	1,774	1,776	-2	1,517	2,499	0.8552	1.4072	64.5%
426	DEPRESSIVE NEUROSES	4,504	4,509	-5	4,963	7,169	1.1019	1.5900	44.3%
427	NEUROSES EXCEPT DEPRESSIVE	4,917	4,928	-11	4,478	10,795	0.9107	2.1905	140.5%
428	DISORDERS OF PERSONALITY & IMPULSE CONTROL	2,823	2,829	-6	3,227	12,470	1.1431	4.4081	285.6%
429	ORGANIC DISTURBANCES & MENTAL RETARDATION	794	776	18	1,003	2,066	1.2630	2.6627	110.8%
430	PSYCHOSES	4,762	4,752	10	8,105	10,163	1.7019	2.1387	25.7%
431	CHILDHOOD MENTAL DISORDERS	234	234	0	252	790	1.0752	3.3767	214.1%
432	OTHER MENTAL DISORDERS DIAGNOSES	628	628	0	624	1,668	0.9939	2.6568	167.3%
433	ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AMA	193	193	0	100	171	0.5188	0.8848	70.5%
434	ALCOHOL/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT W CC	3,315	1,497	1,818	3,556	2,568	1.0728	1.7157	59.9%
435	NO LONGER VALID	7,565	0	7,565	7,708	0	1.0189	....	....
436	ALCOHOL DEPENDENCE W REHABILITATION THERAPY	2,663	1,235	1,428	2,657	1,333	0.9977	1.0797	8.2%
437	ALCOHOL DEPENDENCE, COMBINED REHAB & DETOX THERAPY	2,272	302	1,970	3,026	480	1.3319	1.5880	19.2%
438	NO LONGER VALID	0	0	0	0	0	....	....	....
439	SKIN GRAFTS FOR INJURIES	129	144	-15	241	410	1.8699	2.8439	52.1%
440	WOUND DEBRIDEMENTS FOR INJURIES	666	347	319	1,365	926	2.0492	2.6683	30.2%
441	HAND PROCEDURES FOR INJURIES	284	293	-9	384	305	1.3522	1.0404	-23.1%
442	OTHER O.R. PROCEDURES FOR INJURIES W CC	687	318	369	2,440	1,057	3.5518	3.3246	-6.4%
443	OTHER O.R. PROCEDURES FOR INJURIES W/O CC	1,323	1,060	263	2,125	1,340	1.6064	1.2637	-21.3%
444	TRAUMATIC INJURY AGE > 17 W CC	314	254	60	334	266	1.0628	1.0457	-1.6%
445	TRAUMATIC INJURY AGE > 17 W/O CC	1,346	1,518	-172	1,218	955	0.9049	0.6293	-30.5%
446	TRAUMATIC INJURY AGE 0-17	314	338	-24	235	338	0.7485	1.81	-28.4%
447	ALLERGIC REACTIONS AGE > 17	560	558	2	364	382	0.6493	0.6850	-5.5%
448	ALLERGIC REACTIONS AGE 0-17	74	74	0	24	22	0.3183	0.3008	-5.5%
449	POISONING & TOXIC EFFECTS OF DRUGS AGE > 17 W CC	1,145	1,150	-5	1,243	1,244	1.0857	1.0822	-0.3%
450	POISONING & TOXIC EFFECTS OF DRUGS AGE > 17 W/O CC	2,742	2,750	-8	1,704	1,841	0.6216	0.6695	-7.7%
451	POISONING AND TOXIC EFFECTS OF DRUGS AGE 0-17	1,389	1,386	3	601	706	0.4328	0.5091	17.6%
452	COMPLICATIONS OF TREATMENT W CC	595	310	285	717	523	1.2049	1.6856	39.9%
453	COMPLICATIONS OF TREATMENT W/O CC	836	881	-45	404	524	0.4837	0.5951	23.0%
454	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W CC	521	503	18	1,003	785	1.9254	1.5605	-19.0%
455	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W/O CC	1,988	2,006	-18	1,120	959	0.5633	0.4782	-15.1%
456	BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY	92	90	2	160	284	1.7340	3.1588	82.2%
457	EXTENSIVE BURNS W/O O.R. PROCEDURE	14	18	-4	67	140	4.7721	7.7612	62.6%
458	NON-EXTENSIVE BURNS W SKIN GRAFTS	265	261	4	922	922	3.4782	3.5343	1.6%
459	NON-EXTENSIVE BURNS W WOUND DEBRIDEMENT OR OTHER O.R. PROC	163	39	124	292	83	1.7902	2.1347	19.2%
460	NON-EXTENSIVE BURNS W/O O.R. PROCEDURE	662	786	-124	610	699	0.9211	0.8889	-3.5%
461	O.R. PROC WITH DIAGNOSES OF OTHER CONTACT W HEALTH SERVICES	1,251	1,059	192	1,734	2,019	1.3862	1.9062	37.5%
462	REHABILITATION	139	140	-1	416	417	2.9824	2.9819	-0.4%
463	SIGNS & SYMPTOMS WITH CC	446	416	30	453	387	1.0149	0.9303	-8.3%
464	SIGNS & SYMPTOMS W/O CC	528	545	-17	341	318	0.6453	0.5834	-9.6%
465	AFTERCARE W HISTORY OF MALGNANCY AS SECONDARY DIAGNOSIS	1,043	1,063	-20	562	693	0.5390	0.6518	20.9%
466	AFTERCARE W/O HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS	3,506	3,523	-17	2,416	3,715	0.6890	1.0546	53.1%
467	OTHER FACTORS INFLUENCING HEALTH STATUS	11,724	11,475	249	5,931	7,878	0.5059	0.6866	35.7%
468	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	7,884	3,852	4,032	18,970	12,039	2.4061	3.1253	29.9%
471	BILATERAL OR MULTIPLE MAJOR JOINT PROCEDURES OF LOWER EXTREM	8	9	-1	40	48	4.9879	5.3272	6.8%
472	EXTENSIVE BURNS W/O R. PROCEDURE	30	26	4	535	435	17.8268	16.7421	-6.1%
473	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE AGE > 17	350	348	2	2,800	3,118	7.9598	8.9594	12.0%
474	NO LONGER VALID	0	0	0	0	0	....	....	....
475	RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT	0	380	-380	0	1,641	....	4.3186	....
476	PROSTATIC O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	0	44	-44	0	121	....	2.7415	....
477	NON-EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	0	2,415	-2,415	0	4,402	....	1.8226	....
478	OTHER VASCULAR PROCEDURES W CC	0	598	-598	0	2,142	....	3.5811	....
479	OTHER VASCULAR PROCEDURES W/O CC	0	555	-555	0	1,026	....	1.8486	....

... Continued ...

EXHIBIT 3-4: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs)
(SORTED IN DRG ORDER)
(Concluded)

DRG	DESCRIPTION	DIFFERENCE				%AGE CHANGE			
		VERSION 4 DISP.	VERSION 8 DISP.	IN DISPOSITIONS	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	IN CMI
480	LIVER TRANSPLANT	0	7	-7	0	144	...	20.6039	...
481	BONE MARROW TRANSPLANT	0	48	-48	0	720	...	14.9951	...
482	TRACHEOSTOMY W MOUTH, LARYNX OR PHARYNX DISORDER	0	288	-288	0	1,120	...	3.8894	...
483	TRACHEOSTOMY EXCEPT FOR MOUTH, LARYNX OR PHARYNX DISORDER	0	556	-556	0	7,963	...	14.3211	...
484	CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA	0	24	-24	0	225	...	9.3572	...
485	LIMB REATTACHMENT, HIP AND FEMUR PROC FOR MULTIPLE SIGNIFICANT	0	101	-101	0	567	...	5.6121	...
486	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA	0	346	-346	0	2,466	...	7.1280	...
487	OTHER MULTIPLE SIGNIFICANT TRAUMA	0	279	-279	0	1,085	...	3.8883	...
488	HIV W EXTENSIVE O.R. PROCEDURE	0	50	-50	0	252	...	5.0425	...
489	HIV W MAJOR RELATED CONDITION	0	635	-635	0	2,983	...	4.6975	...
490	HIV W OR WHO OTHER RELATED CONDITION	0	1,454	-1,454	0	4,119	...	2.8329	...
600	NEONATE, DIED WITHIN ONE DAY OF BIRTH	0	228	-228	0	175	...	0.7679	...
601	NEONATE, TRANSFERRED <5 DAYS OLD	0	1,115	-1,115	0	382	...	0.3424	...
602	NEONATE, BIRTHWT <750G, DISCHARGED ALIVE	0	60	-60	0	303	...	5.0430	...
603	NEONATE, BIRTHWT <750G, DIED	0	24	-24	0	242	...	10.0864	...
604	NEONATE, BIRTHWT 750-999G, DISCHARGED ALIVE	0	73	-73	0	791	...	10.8394	...
605	NEONATE, BIRTHWT 750-999G, DIED	0	14	-14	0	106	...	7.5702	...
606	NEONATE, BIRTHWT 1000-1499G, W SIGNIF OR PROC, DISCHARGED ALIVE	0	21	-21	0	302	...	14.3895	...
607	NEONATE, BIRTHWT 1000-1499G, W/O SIGNIF OR PROC, DISCHARGED ALI	0	268	-268	0	1,662	...	6.2009	...
608	NEONATE, BIRTHWT 1000-1499G, DIED	0	13	-13	0	145	...	11.1619	...
609	NEONATE, BIRTHWT 1500-1999G, W SIGNIF OR PROC, W MULT MAJOR PROB	0	18	-18	0	126	...	6.9807	...
610	NEONATE, BIRTHWT 1500-1999G, W SIGNIF OR PROC, W/O MULT MAJOR P	0	5	-5	0	44	...	8.7105	...
611	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W MULT MAJOR P	0	98	-98	0	505	...	5.1569	...
612	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W MAJOR PROB	0	162	-162	0	635	...	3.9167	...
613	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC W MINOR PROB	0	121	-121	0	121	...	2.2229	...
614	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC W OTHER PROB	0	320	-320	0	439	...	1.3730	...
615	NEONATE, BIRTHWT 2000-2499G, W SIGNIF OR PROC, W MULT MAJOR PROB	0	14	-14	0	108	...	7.7243	...
616	NEONATE, BIRTHWT 2000-2499G, W SIGNIF OR PROC, W/O MULT MAJOR PROB	0	14	-14	0	14	...	10.6009	...
617	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W MULT MAJOR PR	0	86	-86	0	329	...	3.8223	...
618	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W MAJOR PROB	0	181	-181	0	421	...	2.3272	...
619	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W MINOR PROB	0	177	-177	0	253	...	1.4296	...
620	NO LONGER VALID	0	0	0	0	0	...	...	...
621	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W OTHER PROB	0	1,186	-1,186	0	621	...	0.5237	...
622	NEONATE, BIRTHWT >2499G, W SIGNIF OR PROC, W MULT MAJOR PROB	0	109	-109	0	1,136	...	10.4205	...
623	NEONATE, BIRTHWT >2499G, W SIGNIF OR PROC, W/O MULT PROB	0	254	-254	0	889	...	3.5006	...
624	NEONATE, BIRTHWT >2499G, W MINOR ABDOM PROCEDURE	0	75	-75	0	66	...	0.8835	...
625	NO LONGER VALID	0	0	0	0	0	...	...	...
626	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, MULT MAJOR PROB	0	675	-675	0	-9	...	4.0724	...
627	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, W MAJOR PROB	0	2,870	-2,870	0	1,293	...	1.1473	...
628	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, W MINOR PROB	0	3,515	-3,515	0	2,204	...	0.6270	...
629	NO LONGER VALID	0	0	0	0	0	...	...	...
630	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, W OTHER PROB	0	16,654	-16,654	0	3,226	...	0.1937	...
631	BPD AND OTH CHRONIC RESPIRATORY DISEASES ARISING IN PERINATAL P	0	47	-47	0	373	...	7.9429	...
632	OTHER RESPIRATORY PROBLEMS AFTER BIRTH	0	56	-56	0	44	...	0.7899	...
633	MULTIPLE, OTHER AND UNSPECIFIED CONGENITAL ANOMALIES, W CC	0	17	-17	0	6	...	0.3587	...
634	MULTIPLE, OTHER AND UNSPECIFIED CONGENITAL ANOMALIES, W/O CC	0	51	-51	0	165	...	3.2264	...
635	NEONATAL AFTERCARE FOR WEIGHT GAIN	0	7	-7	0	9	...	1.2606	...
636	NEONATAL DIAGNOSIS AGE > 28 DAYS	0	351	-351	0	2,951	...	8.4088	...
900	ALCDRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE <21 W/O	0	3,260	-3,260	0	9,013	...	2.7646	...
901	ALCDRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE > 21 W/O	0	9,519	-9,519	0	16,155	...	1.6971	...
TOTALS		866,875	866,599	276	743,829	784,431	0.8581	0.9052	5.5%
UNWEIGHTED AVERAGES									

EXHIBIT 3-5: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWP's, AND CASE-MIX INDICES (CMIs) BY DRG (SORTED BY DESCENDING PERCENTAGE CHANGE IN CMI)

DRG	DESCRIPTION	VERSION 4 DISP.	VERSION 8 DISP.	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWP's	VERSION 8 RWP's	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
428	DISORDERS OF PERSONALITY & IMPULSE CONTROL	2,823	2,829	-6	3,227	12,470	1.1431	4.4081	-15.6%
431	CHILDHOOD MENTAL DISORDERS	234	234	0	252	790	1.0752	3.3767	-14.1%
432	OTHER MENTAL DISORDERS	628	628	0	624	1,668	0.9939	2.6568	-16.7%
427	NEUROSES EXCEPT DEPRESSIVE	4,917	4,928	-11	4,478	10,795	0.9107	2.1905	-14.0%
429	ORGANIC DISTURBANCES & MENTAL RETARDATION	794	776	18	1,003	2,066	1.2630	2.6627	-11.0%
275	MALNIGANT BREAST DISORDERS W/O CC	273	309	-36	285	673	1.0424	2.1771	-10.8%
29	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W/O	1,141	1,283	-142	1,005	2,270	0.8812	1.7692	-10.0%
347	MALNIGNANCY, MALE REPRODUCTIVE SYSTEM, W/O CC	225	358	-133	233	706	1.0352	1.9734	-90.6%
135	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 W/O CC	291	251	40	296	485	1.0165	1.9330	-90.2%
137	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE 0-17	375	319	56	396	614	1.0564	1.9251	-82.2%
456	BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY	92	90	2	160	284	1.7340	3.1588	-82.2%
302	KIDNEY TRANSPLANT	68	68	0	266	483	3.9128	7.1072	-81.6%
85	PLEURAL EFFUSION W/O CC	350	321	29	514	829	1.4686	2.5836	-75.9%
244	BONE DISEASES & SEPTIC ARTHROPATHIES W/O CC	342	321	110	320	375	0.9362	1.6160	-72.6%
433	ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AMA	193	183	0	100	171	0.5188	0.8848	-70.5%
35	OTHER DISORDERS OF NERVOUS SYSTEM W/O CC	995	1,055	-60	914	1,648	0.9188	1.5616	-70.0%
319	KIDNEY & URINARY TRACT NEOPLASMS W/O CC	114	163	-49	96	232	1.4235	2.6911	-69.1%
347	LYMPHOMA & NON-ACUTE LEUKEMIA W/O CC	699	681	18	1,582	2,543	2.2636	3.7348	-65.0%
425	ACUTE ADJUST REACT & DISTURBANCES OF PSYCHOSOCIAL DYSFUNCTION	1,774	1,776	-2	1,517	2,499	0.8552	1.4072	-64.5%
274	MALNIGANT BREAST DISORDERS W/O CC	385	347	38	589	871	1.5307	2.5096	-64.0%
457	EXTENSIVE BURNS W/O R, PROCEDURE	14	18	-4	67	140	4.7721	7.7612	-62.6%
9	SPINAL DISORDERS & INJURIES	222	209	13	503	764	2.2675	3.6555	-61.2%
434	ALCOHOL/DRUG ABUSE OR DEPEND. DETOX OR OTH SYMPT TREAT W/O CC	3,315	1,497	1,818	3,556	2,568	1.7157	1.7157	-59.9%
62	MYRINOTOMY WITH TUBE INSERTION AGE 0-17	5,932	5,998	-66	2,477	3,890	0.4175	0.6485	-55.3%
108	OTHER CARDIOTHORACIC PROCEDURES	147	189	-42	562	1,113	3.8231	5.8889	-54.0%
486	AFTERCARE W/O HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS	3,506	3,523	-17	2,416	6,890	3.7115	1.0546	-53.1%
232	ARTHRITIS	3,366	3,743	-377	2,594	4,410	0.7706	1.1781	-52.9%
439	SKIN GRAFTS FOR INJURIES	129	144	-15	241	410	1.8699	2.8439	-52.1%
401	LYMPHOMA & NON-ACUTE LEUKEMIA W/O R, PROC W/O CC	140	128	12	369	503	2.6343	3.9271	-49.1%
333	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE 0-17	383	433	-50	260	430	0.6777	0.9921	-46.4%
30	TRAUMATIC STUPOR & COMA <1 HR AGE 0-17	812	800	12	385	551	0.4738	0.6885	-45.3%
383	SPLENECTOMY AGE 0-17	25	22	3	45	58	1.8150	2.6355	-45.2%
245	BONE DISEASES & SEPTIC ARTHROPATHIES W/O CC	772	889	-117	524	874	0.6783	0.9832	-44.9%
367	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W/O CC	325	357	-32	217	346	0.6691	0.9679	-44.7%
426	DEPRESSIVE NEUROSES	4,504	4,509	-5	4,963	7,169	1.1019	1.5900	-44.3%
407	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJOR R, PROC W/O CC	77	90	-13	141	236	1.8299	2.6186	-43.1%
413	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W/O CC	377	278	99	547	576	1.4516	2.0715	-42.7%
132	ATHEROSCLEROSIS W/O CC	1,598	1,664	-66	1,787	2,655	1.1181	1.5954	-42.7%
452	COMPLICATIONS OF TREATMENT W/O CC	595	910	-285	717	523	1.2049	1.6856	-39.9%
81	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE 0-17	96	30	6	155	202	1.6095	2.2451	-39.5%
271	SKIN ULCERS	230	282	-52	297	507	1.2923	1.7984	-39.2%
397	COAGULATION DISORDERS	701	691	10	632	859	0.9022	1.2433	-37.8%
461	O.R. PROC WITH DIAGNOSES OF OTHER CONTACT W HEALTH SERVICES	1,251	1,059	192	1,734	2,019	1.3862	1.9062	-37.5%
405	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE AGE 0-17	256	256	0	503	684	1.9654	2.6733	-36.0%
17	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC	191	197	-6	164	230	0.8612	1.1698	-35.8%
467	OTHER FACTORS INFLUENCING HEALTH STATUS	11,724	11,475	249	5,931	7,878	0.5059	0.6866	-35.7%
20	NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS	557	651	-94	775	1,226	1.3911	1.8831	-35.4%
423	OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES	847	793	54	1,050	1,327	1.2392	1.6731	-35.0%
10	NERVOUS SYSTEM NEOPLASMS W/O CC	288	266	22	399	495	1.3940	1.8610	-34.5%
412	HISTORY OF MALIGNANCY, W/ENDOSCOPY	309	340	-31	144	211	0.4669	0.6202	-32.8%
287	SKIN GRAFTS & WOUND DEBRID FOR ENDOC, NUTRIT & METAB DISORDERS	119	57	62	261	165	2.1963	2.8927	-31.7%
216	BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	420	420	-10	769	1,037	1.8768	2.4681	-31.5%
16	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC	113	104	9	166	201	1.4696	1.9317	-31.4%

Continued

EXHIBIT 3-5: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWP'S, AND CASE-MIX INDICES (CMIs) BY DRG (SORTED BY DESCENDING PERCENTAGE CHANGE IN CMI)
(Continued)

DRG	DESCRIPTION	VERSION 4 DISP.	VERSION 8 DISP.	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWP'S	VERSION 8 RWP'S	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
344	OTHER MALE REPRODUCTIVE SYSTEM OR PROCEDURES FOR MALIGNANCY	94	95	-1	138	182	1.4647	1.9190	11.0%
217	WIND DEBRID & SKIN GFT EXC HAND, FOR MUSCULOSKELET & CONN. TISS DIS	1,066	690	376	3,472	2,939	3.2572	4.2600	40.8%
196	HEPATOBIARY DIAGNOSTIC PROCEDURE FOR MALIGNANCY	58	58	0	119	155	2.0438	2.6647	30.4%
440	WOUND DEBRIDEMENTS FOR INJURIES	666	347	319	1,365	926	2.0432	2.6683	30.2%
468	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	7,884	3,852	4,032	18,970	12,039	2.4061	3.1253	29.9%
328	URETHRAL STRICTURE AGE >17 W CC	38	28	10	27	26	0.7084	0.9195	29.8%
187	DENTAL EXTRACTIONS & RESTORATIONS	14,391	14,400	-9	7,584	9,847	0.5270	0.6838	29.8%
276	NON-MALIGNANT BREAST DISORDERS	1,914	1,915	-1	1,167	1,514	0.6098	0.7904	29.6%
408	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W OTHER O.R. PROC	527	459	68	944	1,063	1.7907	2.3168	29.4%
40	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE >17	3,045	3,105	-60	1,786	2,325	0.5866	0.7487	27.6%
213	AMPUTATIONS FOR MUSCULOSKELETAL SYSTEM & CONN TISSUE DISORDERS	105	107	-2	286	371	2.7237	3.4702	27.4%
57	T & A PROC, EXCEPT TONSILLECTOMY &/OR ADENOTOMY ONLY, AGE >1	658	766	-108	365	542	0.5552	0.7071	27.3%
118	CARDIAC PACEMAKER DEVICE REPLACEMENT	21	181	-160	45	497	2.1623	2.7442	26.9%
238	PATHOLOGICAL FRACTURES & MUSCULOSKELETAL & CONN TISS MALIGNCY	799	811	-12	1,135	1,458	1.4211	1.7884	26.5%
172	DIGESTIVE MALIGNANCY W CC	848	718	130	1,505	1,607	1.7745	2.2382	26.1%
272	MAJOR SKIN DISORDERS W CC	211	163	48	228	222	1.0827	1.3631	25.9%
292	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W CC	1	54	6	170	192	2.8313	3.5642	25.9%
430	PSYCHOSES	4,762	4,752	10	8,105	10,163	1.7019	2.1387	25.7%
202	CIRRHOSIS & ALCOHOLIC HEPATITIS	666	685	-19	1,023	1,320	1.5354	1.9277	25.5%
72	NASAL TRAUMA & DEFORMITY	488	493	-5	230	289	0.4713	0.586	24.5%
27	TRAUMATIC STUPOR & COMA, COMA >1 HR	539	498	41	1,521	1,747	2.8220	3.5090	24.3%
253	FX SPRLN, STRN & DISL OF UPARM, LOWLEG EX FOOT AGE >17 W CC	384	317	67	469	479	1.2211	1.5121	23.8%
342	CIRCUMCISION AGE >17	1,152	1,152	0	589	729	0.5113	0.6328	23.8%
281	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE >17 W/O CC	2,730	3,018	-288	1,380	1,886	0.5056	0.6249	23.6%
408	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJOR, PROC W CC	107	77	30	394	350	3.6796	4.5442	23.5%
33	CONCUSSION AGE 0-17	344	345	-1	90	111	0.2609	0.3214	23.2%
453	COMPLICATIONS OF TREATMENT W/O CC	836	881	-45	404	524	0.4837	0.5951	23.0%
196	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE 0-17	205	273	-68	364	336	1.6374	1.6374	22.7%
6	CARPAL TUNNEL RELEASE	2,259	2,259	0	1,429	1,750	0.6325	0.7747	22.5%
417	SEPTICEMIA AGE 0-17	687	566	121	500	504	0.7281	0.8902	22.3%
12	DEGENERATIVE NERVOUS SYSTEM DISORDERS	669	670	-1	1,287	1,568	1.9237	2.3408	21.7%
34	OTHER DISORDERS OF NERVOUS SYSTEM W CC	484	421	63	1,056	1,115	2.187%	2.6489	21.4%
104	CARDIAC VALVE PROCEDURE W CARDIAC CATH	122	125	-3	881	1,093	7.2	8.7435	21.1%
465	AFTERCARE W HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS	1,043	1,063	-20	562	693	0.5390	0.6518	20.9%
280	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE >17 W CC	886	804	82	649	709	0.7327	0.8818	20.3%
242	SEPTIC ARTHRITIS	134	136	-2	165	201	1.2291	1.4787	20.3%
291	THYROID GLAND PROCEDURES	137	117	20	60	72	0.4394	0.5258	19.7%
282	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE 0-17	485	485	-43	176	229	0.3624	0.4336	19.7%
222	KNEE PROCEDURES W/O CC	9,575	11,644	-2,069	10,280	14,954	1.106	1.2843	19.6%
55	MISCELLANEOUS EAR, NOSE & THROAT PROCEDURES	4,682	3,221	1,461	2,640	2,166	0.6726	0.8726	19.3%
459	NON-EXTENSIVE BURNS W WOUND DEBRIDEMENT OR OTHER O.R. PROC	163	39	124	292	83	1.7902	2.1347	19.2%
437	ALCOHOL DEPENDENCE, COMBINED REHAB & DETOX THERAPY	2,272	302	1,970	3,026	480	1.3319	1.5880	19.2%
338	TESTES PROCEDURES, FOR MALIGNANCY	437	435	2	414	491	0.9475	1.1276	19.0%
46	OTHER DISORDERS OF THE EYE AGE >17 W CC	333	299	34	254	270	0.7631	0.9026	18.3%
238	FRACTURES OF HIP & PELVIS	478	442	36	520	568	1.0881	1.2858	18.2%
451	PLACUING AND TOXIC EFFECTS OF DRUGS AGE 0-17	1,389	1,386	3	601	706	0.4328	0.5091	17.6%
133	ATHEROSCLEROSIS W/O CC	1,120	1,999	-879	1,116	2,342	0.9966	1.1714	17.5%
285	AMPUTAT OF LOWER LIMB FOR ENDOCRINE, NUTRIT & METABOL DISORDERS	77	77	0	207	243	2.6920	3.1618	17.5%
82	RESPIRATORY NEOPLASMS	2,205	2,204	1	3,532	4,146	1.6019	1.8812	17.4%
414	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W/O CC	232	388	-156	239	470	1.0316	1.2113	17.4%
366	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W CC	237	206	31	332	339	1.4022	1.6464	17.4%
259	SUBTOTAL MASTECTOMY FOR MALIGNANCY W CC	211	117	94	368	239	1.7447	2.0462	17.3%
204	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	1,361	1,404	-43	1,423	1,719	1.0457	1.2241	17.1%

Continued

EXHIBIT 3-5: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWP's, AND CASE-MIX INDICES (CMIs) BY DRG (SORTED BY DESCENDING PERCENTAGE CHANGE IN CMI)
(Continued)

DRG	DESCRIPTION	VERSION 4 DISP	VERSION 8 DISP	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWP's	VERSION 8 RWP's	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
58	T & A PROC. EXCEPT TONSILLECTOMY & OR ADE NOIDECTOMY ONLY AGE 0-	2,174	2,271	97	847	1,034	0.3896	0.4554	16.9%
32	CONCUSSION AGE >17 W/O CC	856	903	47	387	475	0.4518	0.5255	16.3%
179	INFLAMMATORY BOWEL DISEASE	1,191	1,220	29	1,401	1,666	1.1760	1.3655	16.1%
3	CRANIOTOMY AGE 0-17	227	225	2	646	741	2.8443	3.2912	15.7%
207	DISORDERS OF THE BILIARY TRACT W CC	482	407	75	460	450	0.9552	1.1045	15.6%
252	FX. SPIN. STRN & DISL OF FOREARM, HAND, FOOT AGE 0-17	773	780	7	269	312	0.3482	0.4004	15.0%
382	FALSE LABOR	1,496	1,495	1	282	324	0.1888	0.2170	14.9%
353	PELVIC EVISCERATION, RADICAL TERECTOMY & VULVECTOMY	114	114	0	255	293	2.2374	2.5708	14.9%
150	PERITONEAL ADHESOLYSIS W/L	288	234	54	706	658	2.4521	2.8131	14.7%
41	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE 0-17	1,553	1,552	1	736	843	0.4737	0.5433	14.7%
410	CHEMOTHERAPY	3,354	3,360	6	2,614	2,994	0.7793	0.8911	14.3%
379	THREATENED ABORTION	8,871	8,871	0	3,638	4,149	0.4101	0.4677	14.1%
325	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 W CC	333	210	123	328	235	0.9837	1.1214	14.0%
255	FX. SPIN. STRN & DISL OF UPARM, LOW LEG EX FOOT AGE 0-17	726	729	-3	302	345	0.4158	0.4738	13.9%
28	SEIZURE & HEADACHE AGE 0-17	2,249	2,234	15	1,238	1,401	0.5510	0.6271	13.8%
226	SOFT TISSUE PROCEDURES W CC	221	165	56	313	266	1.4174	1.6095	13.5%
233	OTHER MUSCULOSKELET SYS & CONN TISS O.R. PROC W CC	304	143	161	825	440	2.7132	3.0803	13.5%
58	RHINOPLASTY	4,180	5,466	-1,286	2,199	3,238	0.5261	0.5923	12.6%
248	NON-SPECIFIC ARTHROPATHIES	200	200	0	132	148	0.6580	0.7402	12.5%
318	KIDNEY & URINARY TRACT NEOPLASMS W CC	255	220	35	468	453	1.8342	2.0596	12.3%
473	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE AGE >17	350	348	2	2,800	3,118	7.9998	8.9594	12.0%
74	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE 0-17	890	820	70	500	516	0.5622	0.6296	12.0%
93	INTERSTITIAL LUNG DISEASE W/O CC	335	358	-23	291	348	0.8696	0.9716	11.7%
176	COMPLICATED PEPTIC ULCER	320	625	-305	403	879	1.2588	1.4057	11.7%
362	ENDOSCOPIC TUBAL INTERRUPTION	4,510	4,504	6	1,655	1,844	0.3670	0.4094	11.6%
45	NEUROLOGICAL EYE DISORDERS	351	352	-1	218	243	0.6202	0.6917	11.5%
130	PERIPHERAL VASCULAR DISORDERS W CC	1,331	1,056	275	1,524	1,348	1.1452	1.2763	11.4%
360	VAGINA, CERVIX & VULVA PROCEDURES	2,195	2,103	92	1,729	1,840	0.7877	0.8748	11.1%
369	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS	3,527	3,370	157	1,684	1,783	0.4775	0.5291	10.8%
184	ESOPHAGITIS, GASTROENT & MISC DIGEST DISORDERS AGE 0-17	5,569	5,477	92	2,063	2,236	0.3670	0.4083	10.6%
2	CRANIOTOMY FOR TRAUMA AGE >17	178	137	41	1,146	975	6.4	7.1171	10.5%
251	FX SPIN. STRN & DISL OF FOREARM, HAND, FOOT AGE >17 W/O CC	1,392	1,469	-77	875	1,020	0.6270	0.6946	10.5%
269	OTHER SKIN, SUBCUT TISS & BREAST O.R. PROC W CC	725	370	355	1,482	835	2.0435	2.2560	10.4%
336	TRANSURETHRAL PROSTATECTOMY W CC	1,106	397	709	1,140	452	1.0312	1.1379	10.4%
22	HYERTENSIVE ENCEPHALOPATHY	105	105	0	73	81	0.6976	0.7688	10.2%
377	POSTPARTUM AND POST ABORTION DIAGNOSES W/O R. PROCEDURE	522	464	58	379	371	0.7253	0.7986	10.1%
381	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY	7,571	7,612	-41	3,305	3,655	0.4366	0.4801	10.0%
54	SINUS & MASTOID PROCEDURES AGE 0-17	240	205	35	195	183	0.8119	0.8927	10.0%
254	FX SPIN. STRN & DISL OF UPARM, LOW LEG EX FOOT AGE >17 W/O CC	3,533	3,613	-80	2,185	2,458	0.6188	0.6803	9.9%
421	VIRAL ILLNESS AGE >17	9,182	9,152	30	5,148	5,639	0.5606	0.6162	9.9%
11	NERVOUS SYSTEM NEOPLASMS W/O CC	338	338	-25	373	442	1.1929	1.3089	9.7%
303	KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NEOPLASM	356	342	14	879	926	2.4696	2.7075	9.6%
105	CARDIAC VALVE PROCEDURE W/O CARDIAC CATH	202	195	7	1,242	1,312	6.1474	6.7287	9.5%
110	MAJOR CARDIOVASCULAR PROCEDURES W CC	532	401	131	2,134	1,756	4.0110	4.3785	9.2%
212	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE 0-17	220	214	6	368	390	1.6706	1.8237	9.2%
308	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W CC	2,028	553	1,475	3,433	1,019	1.6929	1.8434	8.9%
21	VIRAL MENINGITIS	1,007	938	69	597	604	0.5928	0.6440	8.6%
436	ALCOHOLIC DEPENDENCE W REHABILITATION THERAPY	2,663	1,235	1,428	2,657	1,333	0.9977	1.0797	8.2%
173	DIGESTIVE MALIGNANCY W/O CC	479	715	-236	746	1,204	1.5566	1.6839	8.2%
267	PERIANAL & PILONIDAL PROCEDURES	1,575	1,565	10	864	928	0.5483	0.5929	8.1%
422	VIRAL ILLNESS & FEVER OF UNKNOWN ORIGIN AGE 0-17	3,050	2,714	336	1,287	1,238	0.4221	0.4561	8.1%
450	POISONING & TOXIC EFFECTS OF DRUGS AGE >17 W/O CC	2,742	2,750	-8	1,704	1,841	0.6216	0.6695	7.7%
98	BRONCHITIS & ASTHMA AGE 0-17	6,914	6,85	61	3,737	3,980	0.5405	0.5807	7.4%

Continued

EXHIBIT 3-5: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs) BY DRG (SORTED BY DESCENDING PERCENTAGE CHANGE IN CMI)
(Continued)

DRG	DESCRIPTION	VERSION 4 DISP.	VERSION 8 DISP.	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
144	OTHER CIRCULATORY DIAGNOSES WITH CC	816	904	-88	1,157	1,372	1.4175	1.5176	7.1%
231	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES EXCEPT HIP & FEMUR	9,352	7,966	1,366	10,639	9,723	1.1377	1.2175	7.0%
268	SKIN, SUBCUTANEOUS TISSUE & BREAST PLASTIC PROCEDURES	1,697	1,704	-7	1,368	1,468	0.8060	0.8617	6.9%
471	BILATERAL OR MULTIPLE MAJOR JOINT PROCEDURES OF LOWER EXTREM	8	9	-1	40	48	4.9879	5.3272	6.8%
361	LAPAROSCOPY & INCISIONAL TUBAL INTERRUPTION	8,587	8,831	-244	6,589	7,225	0.7673	0.8181	6.6%
404	LYMPHOMA & NON ACUTE LEUKEMIA W/O CC	839	852	-13	1,000	1,080	1.1918	1.2680	6.4%
351	STERILIZATION, MALE	3,693	3,702	-9	1,405	1,496	0.3804	0.4042	6.2%
415	O.R. PROCEDURE FOR INFECTIOUS & PARASITIC DISEASES	837	684	153	3,495	3,034	4.1754	4.4358	6.2%
300	URETHRAL STRICTURE AGE 0-17	43	43	0	14	14	0.3158	0.3354	6.2%
37	ORBITAL PROCEDURES	269	280	-11	273	301	1.0130	1.0755	6.2%
365	OTHER FEMALE REPRODUCTIVE SYSTEM O.R. PROCEDURES	588	584	4	865	911	1.4711	1.5602	6.1%
282	BREAST BIOPSY & LOCAL EXCISION FOR NON-MALIGNANCY	6,056	6,058	-2	3,418	3,624	0.11	0.5982	6.0%
98	RESPIRATORY SIGNS & SYMPTOMS W/CC	665	622	43	651	645	1.0376	1.0376	6.0%
273	MAJOR SKIN DISORDERS W/O CC	294	326	-32	259	305	0.8821	0.9344	5.9%
234	OTHER MUSCULOSKELETAL SYS & CONN TISS O.R. PROC W/O CC	2,101	1,825	276	2,480	2,280	1.1802	1.2494	5.9%
332	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 W/O CC	861	1,084	-223	585	777	0.6790	0.7170	5.6%
447	ALLERGIC REACTIONS AGE >17	560	506	54	364	382	0.6493	0.6850	5.5%
203	MALIGNANCY OF HEPATOBILIARY SYSTEM OR PANCREAS	572	593	-21	838	916	1.4653	1.5444	5.4%
314	URETHRAL PROCEDURES, AGE 0-17	138	138	0	91	95	0.6561	0.6876	4.8%
256	OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSES	2,186	2,320	-134	1,908	2,120	0.8727	0.9138	4.7%
227	SOFT TISSUE PROCEDURES W/O CC	3,020	3,294	-274	2,603	2,967	0.8619	0.9008	4.5%
399	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W/O CC	1,114	1,280	-166	910	1,092	0.8166	0.8534	4.5%
14	SPECIFIC CEREBROVASCULAR DISORDERS EXCEPT TIA	2,059	2,046	13	3,188	3,309	1.5485	1.6173	4.4%
42	INTRAOCULAR PROCEDURES EXCEPT RETINA, IRIS & LENS	796	806	-10	681	720	0.8558	0.8936	4.4%
240	CONNECTIVE TISSUE DISORDERS W/CC	441	411	30	753	733	1.7074	1.7825	4.4%
138	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W/CC	2,768	1,891	877	2,584	1,843	0.9337	0.9744	4.4%
28	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W/CC	456	279	177	861	549	1.8876	1.9691	4.3%
266	SKIN GRAFT AND/OR DEBRID EXCEPT FOR SKIN ULCER OR CELLULITIS W/	1,392	1,033	359	1,532	1,186	1.1009	1.1484	4.3%
225	FOOT PROCEDURES	5,463	5,795	-332	4,484	4,955	0.8208	0.8551	4.2%
145	OTHER CIRCULATORY DIAGNOSES W/O CC	693	762	-69	652	747	0.9412	0.9803	4.2%
424	O.R. PROCEDURE W/ PRINCIPAL DIAGNOSES OF MENTAL ILLNESS	298	245	53	1,478	1,264	4.9593	5.1608	4.1%
52	CLEFT LIP & PALATE REPAIR	259	298	-39	178	213	0.6883	0.7158	4.0%
208	DISORDERS OF THE BILIARY TRACT W/O CC	1,047	1,179	-132	682	798	0.6511	0.6771	4.0%
75	MAJOR CHEST PROCEDURES	1,629	1,134	495	5,634	4,078	3.4583	3.5953	4.0%
91	SIMPLE PNEUMONIA & PLEURISY AGE 0-17	3,504	3,400	104	2,314	2,334	0.6803	0.6865	4.0%
1	CRANIOTOMY AGE >17 EXCEPT FOR TRAUMA	656	638	18	2,829	2,858	4.3119	4.4799	3.9%
265	IN GRAFT AND/OR DEBRID EXCEPT FOR SKIN ULCER OR CELLULITIS W/	244	165	79	490	344	2.0081	2.0860	3.9%
107	HONARY BYPASS W/O CARDIAC CATH	702	663	39	3,594	3,525	5.1194	5.3164	3.8%
36	LENS PROCEDURES WITH OR WITHOUT VITRECTOMY	6,331	6,287	44	4,953	5,106	0.7824	0.8121	3.8%
312	URETHRAL PROCEDURES, AGE >17 W/CC	125	56	69	110	51	0.8827	0.9155	3.7%
92	INTERSTITIAL LUNG DISEASE W/CC	390	355	35	630	595	1.6163	1.6752	3.7%
8	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W/O CC	1,581	1,609	-28	1,788	1,882	1.1308	1.1695	3.4%
304	MAJOR MALE PELVIC PROCEDURES WITH CC	161	137	24	392	345	2.4372	2.5191	3.4%
296	NUTRITIONAL & MISC METABOLIC DISORDERS AGE >17 W/CC	1,712	1,356	356	2,012	1,645	1.1750	1.2131	3.2%
125	CIRCULATORY DISORDERS EXCEPT AMI W CARD CATH W/O COMPLEX DIAG	5,888	6,116	-228	5,734	6,142	0.9738	1.0043	3.1%
261	BREAST PROC FOR NON-MALIGNANCY EXCEPT BIOPSY & LOCAL EXCISION	2,350	2,517	-167	2,232	2,465	0.9499	0.9794	3.1%
163	HERNIA PROCEDURES AGE 0-17	3,219	3,191	28	1,520	1,545	0.4721	0.4842	2.6%
170	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W/CC	219	185	34	767	662	3.5043	3.5782	2.1%
95	PNEUMOTHORAX W/O CC	613	627	-14	398	415	0.6492	0.6626	2.1%
249	AP FTER CARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	805	858	-53	978	1,062	1.2151	1.2383	1.9%
113	AMPUTATION FOR CIRC SYSTEM DISORDERS EXCEPT UPPER LIMB & TOE	130	173	-43	553	749	4.2528	4.3314	1.8%
5	EXTRACRANIAL VASCULAR PROCEDURES	463	463	0	842	858	1.8190	1.8523	1.8%
167	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W/O CC	4,063	4,082	-19	2,921	2,987	0.7189	0.7318	1.8%

Continued

EXHIBIT 3-5: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs) BY DRG (SORTED BY DESCENDING PERCENTAGE CHANGE IN CMI)
(Continued)

DRG	DESCRIPTION	VERSION 8 DISP.	VERSION 8 DISP.	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
127	HEART FAILURE & SHOCK	2,997	3,091	-94	3,832	4,022	1,2786	1,3013	1.8%
418	SEPTICEMIA AGE >17	454	473	-19	926	980	2,0392	2,0729	1.7%
458	NON-EXTENSIVE BURNS W SKIN GRAFTS	265	265	4	922	922	3,4792	3,5343	1.6%
108	CORONARY BYPASS W CARDIAC CATH	654	653	1	3,935	3,991	6,0167	6,1116	1.6%
300	ENDOCRINE DISORDERS W CC	482	397	65	530	463	1,1478	1,1651	1.5%
116	PERI CARDIAC PACEMAKER IMPLANT W/O AMI, HEART FAILURE OR SHOCK	80	81	-1	260	267	3,2513	3,2982	1.4%
283	MINOR SKIN DISORDERS W CC	738	467	271	629	403	0,8528	0,8636	1.3%
154	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 W CC	662	562	100	2,654	2,281	4,0091	4,0580	1.2%
320	KIDNEY & URINARY TRACT INFECTIONS AGE >17 W CC	1,776	1,434	342	1,750	1,423	0,9851	0,9923	0.7%
60	TONSILLECTOMY &/OR ADENOTOMY ONLY, AGE 0-17	3,138	3,146	-8	1,084	1,094	0,3455	0,3479	0.7%
180	G.I. OBSTRUCTION W CC	617	443	174	667	482	1,0816	1,0886	0.7%
352	OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES	679	681	-2	448	452	0,6601	0,6643	0.6%
322	KIDNEY & URINARY TRACT INFECTIONS AGE 0-17	1,391	1,342	49	750	728	0,5394	0,5427	0.6%
68	OTITIS MEDIA & URI >17 W CC	10,377	10,446	-69	5,182	5,247	0,4994	0,5023	0.6%
289	INTERNAL ERRORS OF METABOLISM	339	345	-6	401	410	1,1828	1,1871	0.4%
313	URETHRAL PROCEDURES, AGE >17 W/O CC	488	534	-46	372	409	0,7633	0,7654	0.3%
70	OTITIS MEDIA & URI AGE 0-17	4,060	3,918	142	1,741	1,684	0,4287	0,4298	0.3%
191	PANCREAS, LIVER & SHUNT PROCEDURES W CC	212	212	-37	1,090	1,324	6,2289	6,2432	0.2%
111	MAJOR CARDIOVASCULAR PROCEDURES W/O CC	283	339	-56	804	966	2,8422	2,8482	0.2%
284	MINOR SKIN DISORDERS W/O CC	2,915	3,068	-153	1,828	1,924	0,6265	0,6271	0.1%
177	UNCOMPLICATED PEPTIC ULCER W CC	369	253	100	346	253	0,9389	0,9386	0.1%
352	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE 0-17	694	654	40	322	303	0,4637	0,4637	0.0%
294	DIABETES AGE >35	2,235	2,295	-60	1,761	1,809	0,7881	0,7882	0.0%
59	TONSILLECTOMY &/OR ADENOTOMY ONLY, AGE >17	2,269	2,273	-4	911	913	0,4015	0,4015	0.0%
183	ESOPHAGITIS, GASTROENTERITIS, & MISC DIGEST DISORDERS AGE >17 W/O CC	18,650	22,079	-3,429	11,892	10,79	0,6377	0,6376	0.0%
115	PERI CARDIAC PACEMAKER IMPLANT W AMI, HEART FAILURE OR SHOCK	5	1	4	24	5	4,7176	4,7169	0.0%
378	POSTPARTUM & POST ABORTION DIAGNOSES W/O O.R. PROCEDURE	1,221	1,226	-5	617	619	0,5049	0,5045	-0.1%
141	SYNCOPE & COLLAPSE W CC	953	751	202	706	555	0,7406	0,7394	-0.2%
67	EPIGLOTTITIS	52	52	0	50	50	0,9703	0,9681	-0.2%
380	ABORTION W/O D&C	1,295	1,305	-10	473	476	0,3654	0,3645	-0.2%
86	PLEURAL EFFUSION W/O CC	173	204	-31	163	192	0,9445	0,9416	-0.3%
449	POISONING & TOXIC EFFECTS OF DRUGS AGE >17 W CC	1,145	1,150	-5	1,243	1,244	1,0857	1,0822	0.3%
270	OTHER SKIN, SUBCUT TISS & BREAST O.R. PROC W/O CC	5,627	6,050	-423	5,236	5,610	0,9304	0,9272	-0.3%
462	REHABILITATION	139	140	-1	416	417	2,9924	2,9819	-0.4%
264	SKIN GRAFT &/OR DEBRID FOR SKIN ULCER OR CELLULITIS W/O CC	194	145	49	411	305	2,1175	2,1025	-0.7%
197	TOTAL CHOLECYSTECTOMY W/O C.D.E. W CC	2,146	1,161	985	3,405	1,825	1,5887	1,5721	-0.9%
383	OTHER ANTERPARTUM DIAGNOSES W MEDICAL COMPLICATIONS	11,695	11,690	5	4,781	4,730	0,4088	0,4046	-1.0%
340	TESTES PROCEDURES, NON-MALIGNANCY AGE 0-17	1,308	1,306	2	702	693	0,5367	0,5308	-1.1%
363	D&C, CONIZATION & RADIO-IMPLANT, FOR MALIGNANCY	503	507	-4	489	487	0,9725	0,9607	-1.2%
341	PENIS PROCEDURES	923	940	-17	939	944	1,0172	1,0046	-1.2%
181	G.I. OBSTRUCTION W/O CC	851	1,041	-190	523	631	0,6141	0,6064	-1.3%
263	SKIN GRAFT &/OR DEBRID FOR SKIN ULCER OR CELLULITIS W CC	211	123	88	787	452	3,7297	3,6719	-1.5%
444	TRAUMATIC INJURY AGE >17 W CC	60	254	-334	334	266	1,0628	1,0457	-1.6%
248	TENDONITIS, MYOSITIS & BURSITIS	1,316	1,404	-88	910	955	0,6911	0,6800	-1.6%
44	ACUTE MAJOR EYE INFECTIONS	507	501	6	254	247	0,5019	0,4935	-1.7%
308	MINOR BLADDER PROCEDURES W CC	219	156	63	356	249	1,6239	1,5958	-1.7%
100	RESPIRATORY SIGNS & SYMPTOMS W/O CC	1,325	1,428	-103	900	953	0,6795	0,6676	-1.8%
193	BILIARY TRACT PROC EXCEPT ONLY TOT CHOLECYST W/O C.D.E. W	138	139	-1	587	580	4,2512	4,1710	-1.9%
235	FRACTURES OF FEMUR	341	329	12	522	493	1,5293	1,4999	-1.9%
50	SIALOADENECTOMY	449	450	-1	372	365	0,8279	0,8115	-2.0%
15	TRANSIENT ISCHEMIC ATTACKS AND PRECEREBRAL OCCLUSIONS	1,350	1,349	1	1,041	1,020	0,7714	0,7560	2.0%
160	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 W/O CC	2,222	2,384	-162	1,875	1,971	0,8440	0,8266	-2.1%
162	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W/O CC	9,772	10,552	-780	5,504	5,820	0,5633	0,5516	-2.1%

-- Continued --

EXHIBIT 3-5: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWP, AND CASE-MIX INDICES (CMIs) BY DRG (SORTED BY DESCENDING PERCENTAGE CHANGE IN CMI)
(Continued)

ICD-9-CM	DESCRIPTION	VERSION 4 DISP.	VERSION 8 DISP.	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWP	VERSION 8 RWP	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
124	CIRCULATORY DISORDERS EXCEPT AMI, W CARU CATH & COMPLEX DIAG	1,361	1,361	-77	1,878	1,949	1.4629	1.4321	-2.1%
142	SYNCOPE & COLLAPSE W/O CC	1,318	1,499	-181	801	890	0.6076	0.5935	2.3%
310	TRANSURETHRAL PROCEDURES W CC	697	382	315	834	446	1.1962	1.1671	2.4%
186	DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS, AGE 0-17	439	461	-22	206	211	0.4697	0.4582	2.4%
220	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR AGE 0-17	511	509	2	452	439	0.8840	0.8620	2.5%
316	RENAL FAILURE	743	968	-225	1,693	2,149	2.2784	2.2196	2.6%
121	CIRCULATORY DISORDERS W AMI & C.V. COMP DISCH ALIVE	926	566	360	1,740	1,036	1.8299	1.8299	2.6%
311	TRANSURETHRAL PROCEDURES W/O CC	1,037	1,363	-326	862	1,102	0.8314	0.8085	2.8%
122	CIRCULATORY DISORDERS W AMI W/O C.V. COMP DISCH ALIVE	2,970	1,780	1,190	3,713	2,164	1.2501	1.2155	2.8%
119	CRANIAL & PERIPHERAL NERVE DISORDERS W/O CC	1,441	1,468	-27	1,233	1,221	0.8557	0.8316	-2.8%
140	ANGINA PECTORIS	3,126	3,219	-93	2,364	2,362	0.7561	0.7338	-3.0%
78	PULMONARY EMBOLISM	363	351	12	547	513	1.5075	1.4609	-3.1%
178	UNCOMPLICATED PEPTIC ULCER W/O CC	1,049	1,049	-572	770	1,152	0.7339	0.7105	-3.2%
321	KIDNEY & URINARY TRACT INFECTIONS AGE >17 W/O CC	2,841	3,194	-353	1,864	2,028	0.6562	0.6350	-3.2%
148	MAJOR SMALL & LARGE BOWEL PROCEDURES W CC	1,693	1,442	241	6,526	5,407	3.8778	3.7494	-3.3%
378	ECTOPIC PREGNANCY	2,146	2,146	0	1,727	1,668	0.8047	0.7774	-3.4%
460	NON-EXTENSIVE BURNS W/O O.R. PROCEDURE	662	786	-124	610	699	0.9211	0.8889	-3.5%
364	D&C, CONIZATION EXCEPT FOR MALIGNANCY	4,913	5,089	-176	2,624	2,621	0.5340	0.5150	-3.6%
38	RETINAL PROCEDURES	486	475	11	452	426	0.9308	0.8976	-3.6%
395	RED BLOOD CELL DISORDERS AGE >17	2,465	2,419	46	2,664	2,518	1.0805	1.0411	-3.7%
209	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES	1,100	1,503	-403	3,394	4,464	3.0856	2.9701	-3.7%
4	SPINAL PROCEDURES	346	336	10	902	843	2.6082	2.5090	-3.8%
250	FX SPIN, STRN & DISL OF FOREARM, HAND, FOOT AGE >17 W CC	126	81	45	149	92	1.1847	1.1385	-3.9%
290	THYROID PROCEDURES	1,312	1,309	3	1,110	1,063	0.8458	0.8124	-3.9%
201	OTHER HEPATOBILIARY OR PANCREAS O.R. PROCEDURES	100	104	-4	383	382	3.8284	3.6693	-4.2%
13	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA	502	505	-3	575	553	1.1450	1.0954	-4.3%
354	UTERINE ADNEXA PROC FOR NON-OVARIAN/ADNEXAL MALIGN W CC	138	122	16	238	201	1.7227	1.6470	-4.4%
63	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES	461	3,468	-3,007	582	4,186	1.2629	1.2070	-4.4%
260	SUBTOTAL MASTECTOMY FOR MALIGNANCY W/O CC	663	759	-96	591	646	0.8914	0.8510	-4.5%
65	DISEQUILIBRIUM	827	825	2	474	451	0.5726	0.5461	-4.6%
219	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR AGE >17 W/O	3,321	3,396	-75	3,917	3,817	1.1793	1.1241	-4.7%
165	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W/O CC	734	778	-44	907	916	1.2358	1.1772	-4.7%
205	DISORDERS OF LIVER EXC MALIGN, CIRRH, ALC HEPA W CC	689	656	33	1,293	1,171	1.8770	1.7849	-4.9%
229	HAND OR WRIST PROC, EXCEPT MAJOR JOINT PROC, W/O CC	6,595	6,587	8	5,378	5,102	0.8141	0.7745	-5.0%
288	O.R. PROCEDURES FOR OBESITY	274	273	1	498	470	1.7234	1.7234	-5.1%
182	ESOPHAGITIS, GASTROENT, & MISC DIGEST DISORDERS AGE >17 W CC	6,374	5,330	1,044	5,453	4,327	0.8555	0.8117	-5.1%
112	PERCUTANEOUS CARDIOVASCULAR PROCEDURES	2,022	1,641	381	5,085	3,904	2.5147	2.3789	-5.4%
448	ALLERGIC REACTIONS AGE 0-17	74	74	0	24	22	0.3183	0.3008	-5.5%
159	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 W CC	523	353	170	657	418	1.2565	1.1834	-5.8%
71	LARYNGOTRACHEITIS	1,084	1,081	3	415	390	0.3827	0.3605	-5.8%
224	SHOULDER ELBOW OR FOREARM PROC, EXC MAJOR JOINT PROC, W/O CC	2,792	2,119	673	2,451	1,751	0.8780	0.8263	-5.9%
134	HYPERTENSION	1,586	1,528	58	1,092	989	0.6882	0.6473	-5.9%
196	TOTAL CHOLECYSTECTOMY W C.D.E. W/O CC	163	199	-36	249	286	1.5288	1.4377	-6.0%
53	SINUS & MASTOID PROCEDURES AGE >17	1,976	2,033	-57	1,731	1,673	0.8230	0.8230	-6.0%
472	EXTENSIVE BURNS W/O R. PROCEDURE	30	26	4	535	435	17.8268	16.7421	-6.1%
128	DEEP VEIN THROMBOPHLEBITIS	192	192	0	174	163	0.9064	0.8510	-6.1%
38	PRIMARY IRIS PROCEDURES	75	75	-1	40	38	0.5431	0.5091	-6.3%
211	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 W/O CC	528	598	-70	1,115	1,182	2.1113	1.9770	-6.4%
442	OTHER O.R. PROCEDURES FOR INJURIES W CC	687	318	369	2,440	1,057	3.5518	3.3246	-6.4%
279	CELLULITIS AGE 0-17	1,051	1,017	34	587	531	0.5588	0.5223	-6.5%
247	SIGNS & SYMPTOMS OF SKELETAL SYSTEM & CONN TISSUE	1,786	1,819	-33	1,466	1,395	0.8210	0.7671	-6.6%
304	KIDNEY, URETER & MAJOR BLADDER PROC FOR NON-NEOPL W CC	378	290	88	867	621	2.2927	2.1402	-6.6%
309	TESTES PROCEDURES, NON-MALIGNANCY AGE >17	3,040	3,040	0	1,951	1,821	0.6419	0.5991	-6.7%

Continued

EXHIBIT 3-5: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs) BY DRG (SORTED BY DESCENDING PERCENTAGE CHANGE IN CMI)
(Continued)

DRG	DESCRIPTION	DIFFERENCE				%AGE CHANGE			
		VERSION 4 DISP.	VERSION 8 DISP.	IN DISPOSITIONS	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	IN CMI
301	ENDOCRINE DISORDERS W/O CC	942	1,011	-69	708	709	0.7520	0.7017	6.7%
337	TRANSURETHRAL PROSTATECTOMY W/O CC	801	1,510	-709	653	1,148	0.8152	0.7605	6.7%
25	SEIZURE & HEADACHE AGE > 17 W/O CC	4,393	4,483	-90	3,023	2,874	0.6881	0.6410	6.9%
335	MAJOR MALE PELVIC PROCEDURES W/O CC	352	373	-21	654	645	1.8573	1.7298	6.9%
68	OTITIS MEDIA & URI AGE > 17 W/O CC	1,497	1,440	57	1,112	996	0.7427	0.6917	6.9%
364	OTHER O.R. PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS	918	883	35	1,419	1,271	1.5459	1.4393	6.9%
84	MAJOR CHEST TRAUMA W/O CC	92	99	-7	66	66	0.7200	0.6698	-7.0%
149	MAJOR SMALL & LARGE BOWEL PROCEDURES W/O CC	1,138	1,412	-274	2,424	2,797	2.1302	1.9808	-7.0%
143	CHEST PAIN	7,703	7,772	-69	5,284	4,952	0.6860	0.6371	-7.1%
131	PERIPHERAL VASCULAR DISORDERS W/O CC	1,581	1,898	-317	1,230	1,370	0.7781	0.7221	-7.2%
119	VEIN LIGATION & STRIPPING	1,131	1,132	-1	979	909	0.8657	0.8027	-7.3%
359	UTERUS & ADENEXA PROC FOR NON-MALIGNANCY W/O CC	10,384	10,545	-161	9,996	9,399	0.9626	0.8913	-7.4%
200	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES OF HIP & FEMUR	702	574	128	674	510	0.9601	0.8880	-7.5%
94	PNEUMOTHORAX W/O CC	211	182	29	358	285	1.5666	1.5666	-7.6%
64	EAR, NOSE, MOUTH & THROAT MALIGNANCY	487	556	-69	771	813	1.5836	1.4628	-7.6%
139	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W/O CC	2,330	3,026	-696	1,626	1,949	0.6980	0.6442	-7.7%
175	G.I. HEMORRHAGE W/O CC	1,931	2,529	-598	1,438	1,735	0.7445	0.6861	-7.8%
24	SEIZURE & HEADACHE AGE > 17 W/O CC	1,069	982	87	1,248	1,055	1.1673	1.0744	-8.0%
158	ANAL AND STOMAL PROCEDURES W/O CC	4,001	4,245	-244	2,614	2,551	0.6533	0.6009	-8.0%
285	DIABETES AGE 0-35	1,525	1,527	-2	1,018	935	0.6679	0.6122	-8.3%
463	SIGNS & SYMPTOMS WITH CC	446	416	30	453	387	1.0149	0.9303	-8.3%
43	HYPHEMA	269	270	-1	79	72	0.2920	0.2675	-8.4%
374	VAGINAL DELIVERY W STERILIZATION AND/OR DAC	3,204	3,291	-87	2,430	2,285	0.7584	0.6943	-8.5%
412	UPPER LIMB & TOE AMPUTATION FOR CIRC SYSTEM DISORDERS	75	77	-2	172	162	2.2947	2.0598	-8.5%
402	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. PROCEDURE W/O CC	353	344	9	570	508	1.6142	1.4765	-8.5%
277	CELLULITIS AGE > 17 W/O CC	1,445	1,277	168	1,572	1,287	1.0879	0.9925	-8.8%
315	OTHER KIDNEY & URINARY TRACT O.R. PROCEDURES	411	437	-26	1,345	1,303	3.2721	2.9817	-8.9%
384	OTHER ANTERIUM DIAGNOSES W/O MEDICAL COMPLICATIONS	8,256	8,154	122	116	3,598	0.4865	0.4424	-9.1%
350	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM	1,408	1,401	7	989	894	0.7027	0.6381	-9.2%
368	INFECTIONS, FEMALE REPRODUCTIVE SYSTEM	1,938	1,935	3	1,249	1,131	0.6443	0.5848	-9.2%
357	UTERUS & ADENEXA PROC FOR OVARIAN OR ADENEXAL MALIGNANCY	183	183	0	432	391	2.3613	2.1363	-9.5%
484	SIGNS & SYMPTOMS W/O CC	528	545	-17	341	318	0.6453	0.5834	-9.6%
157	ANAL AND STOMAL PROCEDURES W/O CC	662	426	236	732	425	1.1058	0.9686	-9.7%
257	TOTAL MASTECTOMY FOR MALIGNANCY W/O CC	552	422	130	681	470	1.2337	1.1131	-9.8%
228	MAJOR THUMB OR JOINT PROC. OR OTH HAND OR WRIST PROC WITH CC	826	833	-7	851	773	1.0301	0.9282	-9.9%
89	SIMPLE PNEUMONIA & PLEURISY AGE > 17 W/O CC	3,331	2,944	387	5,364	4,271	1.6104	1.4508	-9.9%
305	KIDNEY, URETER & MAJOR BLADDER PROC FOR NON-NEOPL W/O CC	716	768	-52	1,003	967	1.4005	1.2588	-10.1%
123	CIRCULATORY DISORDERS W AMI, EXPIRED	271	173	103	991	556	3.5903	3.2113	-10.6%
358	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES	1,410	1,232	178	1,336	1,043	0.9472	0.8469	-10.6%
198	TOTAL CHOLECYSTECTOMY W/O C.D.E. W/O CC	4,717	5,607	-890	5,405	5,723	1.1458	1.0208	-10.9%
409	RADIOTHERAPY	464	465	-1	599	534	1.2906	1.1475	-11.1%
289	PARATHYROID PROCEDURES	118	117	1	127	112	1.0763	0.9558	-11.2%
370	CESAREAN SECTION WITH C. C.	4,791	4,665	126	5,958	5,148	1.2435	1.1036	-11.2%
98	BRONCHITIS & ASTHMA AGE > 17 W/O CC	1,556	1,375	181	1,866	1,461	1.1991	1.0626	-11.4%
419	FEVER OF UNKNOWN ORIGIN AGE > 17 W/O CC	278	215	63	323	221	1.1603	1.0276	-11.4%
174	G.I. HEMORRHAGE W/O CC	1,906	1,584	322	2,279	1,675	1.1959	1.0573	-11.6%
195	TOTAL CHOLECYSTECTOMY W C.D.E. W/O CC	341	274	67	742	527	2.1771	1.9228	-11.7%
278	CELLULITIS AGE > 17 W/O CC	4,397	4,709	-312	3,354	3,172	0.7627	0.6735	-11.7%
102	OTHER RESPIRATORY SYSTEM DIAGNOSES W/O CC	1,645	1,788	-143	1,392	1,336	0.8460	0.7470	-11.7%
258	TOTAL MASTECTOMY FOR MALIGNANCY W/O CC	884	1,016	-132	893	906	1.0098	0.8913	-11.7%
155	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE > 17 W/O CC	614	644	-30	1,249	1,153	2.0339	1.7908	-11.9%
90	SIMPLE PNEUMONIA & PLEURISY AGE > 17 W/O CC	3,692	3,970	-278	3,445	3,257	0.9331	0.8204	-12.1%
391	NORMAL NEWBORNS	68,097	68,355	-258	9,628	8,497	0.1414	0.1243	-12.1%

Continued

EXHIBIT 3-5: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWP, AND CASE-MIX INDICES (CMIs) BY DRG (SORTED BY DESCENDING PERCENTAGE CHANGE IN CMI)
(Continued)

DRG	DESCRIPTION	VERSION 4 DISP	VERSION 8 DISP	DIFFERENCE IN DISPOSITIONS	VERSION 4 RWP	VERSION 8 RWP	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
358	UTERUS & ADENEXA PROC FOR NON-MALIGNANCY W CC	2,533	2,400	133	3,407	2,836	1,3450	1,1817	12.1%
368	RED BLOOD CELL DISORDERS AGE 0-17	577	575	2	395	345	0.5994	0.5994	12.4%
184	APPENDICITOMY W COMPLICATED PRINCIPAL DIAG W CC	244	203	41	580	422	2.3776	2.0610	12.5%
221	KNEE PROCEDURES W CC	294	243	51		467	2.2001	1.9202	12.7%
49	MAJOR HEAD & NECK PROCEDURES	271	203	68	928	606	3.4251	2.9874	12.8%
349	BENIGN PROSTATIC HYPERTROPHY W/O CC	263	393	-130	164	213	0.6223	0.5423	12.8%
346	MALIGNANCY, MALE REPRODUCTIVE SYSTEM, W CC	413	279	134	765	450	1.8515	1.6126	12.9%
324	URINARY STONES W/O CC	3,375	2,917	458	1,987	1,493	0.5888	0.5120	13.0%
51	SALIVARY GLAND PROCEDURES EXCEPT SIALOADENECTOMY	67	77	-10	58	58	0.8694	0.7547	13.1%
48	OTHER DISORDERS OF THE EYE AGE 0-17	429	398	31	235	189	0.5469	0.4747	13.2%
97	BRONCHITIS & ASTHMA AGE >17 W/O CC	4,342	4,368	-26	3,795	3,308	0.8741	0.7573	13.4%
331	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 W CC	902	643	259	1,131	695	1.2544	1.0810	13.8%
171	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W/O CC	775	721	54	1,068	850	1.3786	1.1791	14.5%
371	CESAREAN SECTION W/O C.C.	12,884	12,998	-114	12,591	10,843	0.9772	0.8342	14.6%
120	OTHER CIRCULATORY SYSTEM O.R. PROCEDURES	245	196	49	1,035	706	4.2238	3.6045	14.7%
375	VAGINAL DELIVERY WITH O.R. PROC EXCEPT STERIL & OR D+C	145	141	4	115	95	0.7897	0.6734	14.7%
188	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 W CC	1,950	1,008	942	2,701	1,190	1.3852	1.1801	14.8%
241	CONNECTIVE TISSUE DISORDERS W/O CC	794	846	-52	743	673	0.9355	0.7953	15.0%
455	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W/O CC	1,988	2,006	-18	1,120	959	0.5633	0.4782	15.1%
47	OTHER DISORDERS OF THE EYE AGE >17 W/O CC	1,621	1,670	-49	1,124	981	0.6932	0.5877	15.2%
243	MEDICAL BACK PROBLEMS	9,498	9,499	-1	8,065	6,798	0.8491	0.7157	15.7%
166	APPENDICITOMY W/O COMPLICATED PRINCIPAL DIAG W CC	309	292	17	403	321	1.3034	1.0984	15.7%
355	UTERINE ADENEXA PROC FOR NON-OVARIAN/ADENEXAL MALIGN W/O CC	248	265	-17	308	277	1.2426	1.0460	15.8%
238	OSTEOMYELITIS	258	268	-10	434	380	1.6840	1.4167	15.9%
73	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	64,068	64,078	-10	31,732	26,641	0.4953	0.4158	16.1%
215	BACK & NECK PROCEDURES W/O CC	2,874	3,010	-136	4,601	4,003	1.6010	1.3301	16.9%
79	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 W CC	1,400	445	135	1,704	1,084	2.9381	2.4366	17.1%
185	DENTAL & ORAL DIS EXCEPT EXTRACTS & RESTORATIONS, AGE >17	1,405	1,371	90	1,744	1,350	1.2237	1.0113	17.4%
309	MINOR BLADDER PROCEDURES W/O CC	228	350	-131	293	381	1.2858	1.0624	17.4%
218	LOWER EXTREMITY & HUMER PROC EXCEPT HIP, FOOT, FEMUR AGE >17 W CC	349	270	79	758	483	2.1709	1.7876	17.7%
326	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 W/O CC	602	622	-20	439	373	0.7286	0.5999	17.7%
77	OTHER RESP SYSTEM O.R. PROCEDURES W/O CC	311	446	-135	638	753	2.0515	1.6891	17.7%
418	POSTOPERATIVE & POST-TRAUMATIC INFECTIONS	873	969	-96	1,076	979	1.2327	1.0100	18.1%
136	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 W/O CC	239	278	-39	175	166	0.7316	0.5967	18.4%
151	PERITONEAL ADHESION W/O CC	479	531	-52	726	655	1.5154	1.2342	18.6%
146	RECTAL RESECTION W CC	186	81	105	694	246	3.7335	3.0399	18.6%
189	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 W/O CC	4,951	6,152	-1,201	3,830	3,872	0.7735	0.6294	18.6%
214	BACK & NECK PROCEDURES W CC	575	428	147	1,613	976	2.8053	2.2815	18.7%
126	ACUTE & SUBACUTE ENDOCARDITIS	95	97	-2	330	274	3.4787	2.8201	18.9%
454	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W CC	521	503	18	1,003	785	1.5601	1.2601	19.0%
329	URETHRAL STRICTURE AGE >17 W/O CC	78	90	-12	54	50	0.6950	0.5609	19.3%
161	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W CC	1,480	687	793	1,317	491	0.8896	0.7141	19.7%
194	BILIARY TRACT PROC EXCEPT O.N.I.T CHOLECYST W OR W/C	103	102	1	221	175	2.1501	1.7125	20.4%
323	URINARY STONES W CC, & OR ESW, LITHOTRIPSY	969	1,432	-463	978	1,146	1.0094	0.8005	20.7%
210	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 W CC	564	299	265	2,065	868	3.6621	2.9022	20.8%
61	MYRINGOTOMY WITH TUBE INSERTION AGE >17	146	215	-69	195	226	1.3327	1.0520	21.1%
206	DISORDERS OF LIVER EXC MALIGN, CIRRH, ALC HEPA W/O CC	1,118	1,131	-13	908	724	0.8118	0.6403	21.1%
23	NONTRAUMATIC STUPOR & COMA	146	147	-1	180	143	1.2326	0.9709	21.2%
66	EPISTAXIS	237	236	1	131	102	0.5507	0.4333	21.3%
443	OTHER O.R. PROCEDURES FOR INJURIES W/O CC	1,323	1,060	263	2,125	1,340	1.6064	1.2637	21.3%
307	PROSTATECTOMY W/O CC	215	328	-113	234	281	1.0882	0.8557	21.4%
101	OTHER RESPIRATORY SYSTEM DIAGNOSES W CC	1,018	556	462	1,713	734	1.6822	1.3195	21.6%
88	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	3,955	3,999	-44	5,819	4,611	1.4712	1.1529	21.6%

Continued

EXHIBIT 3-5: COMPARISON OF VERSION 4 AND VERSION 8 DISPOSITIONS, RWPs, AND CASE-MIX INDICES (CMIs) BY DRG (SORTED BY DESCENDING PERCENTAGE CHANGE IN CMI)
(Continued)

DRG	DESCRIPTION	VERSION 4		DIFFERENCE		VERSION 8		% CASE CHANGE	
		DISP.	W R P S	IN	DISPOSITIONS	W R P S	CM I	IN	CM I
117	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT	96	167	44		70	1,7418	1,3548	22.2%
223	MAJOR SHOULDER/ELBOW PROC OR OTHER UPPER EXTREMITY PROC WITH CC	1,645	2,111	341		1,300	1,2831	0.9973	22.3%
297	NUTRITIONAL & MISC METABOLIC DISORDERS AGE >17 W/O CC	2,196	1,774	379		1,601	0.8078	0.6216	23.0%
441	HAND PROCEDURES FOR INJURIES	284	384	9		305	1,3522	1,0404	23.1%
420	FEVER OF UNKNOWN ORIGIN AGE >17 W/O CC	226	228	22		192	1,0098	0.7744	23.3%
317	ADMIT FOR RENAL DIALYSIS	1,043	612	1		468	0.5863	0.4494	23.3%
73	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE >17	1,465	1,186	14		904	0.8097	0.6114	24.5%
76	OTHER RESP SYSTEM O.R. PROCEDURES W CC	311	1,176	273		1,660	3,7818	2,8426	24.8%
286	ADRENAL & PITUITARY PROCEDURES	118	353	0		265	2.9897	2,2467	24.9%
80	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 W/O CC	244	392	53		358	1,6050	1,2043	25.0%
31	CONCUSSION W AGE >17 W CC	188	181	51		98	0.9625	0.7147	25.7%
348	BENIGN PROSTATIC HYPERTROPHY W CC	227	180	128		58	0.7944	0.5868	26.1%
147	RECTAL RESECTION W CC	176	436	63		205	2,4778	1,8128	26.8%
298	NUTRITIONAL & MISC METABOLIC DISORDERS AGE 0-17	1,871	1,261	63		887	0.6739	0.4908	27.2%
152	MINOR SMALL & LARGE BOWEL PROCEDURES W CC	1,059	3,202	1,004		120	3.0236	2,1855	27.7%
327	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE 0-17	171	97	64		43	0.5686	0.4107	27.8%
448	TRAUMATIC INJURY AGE 0-17	314	235	24		181	0.7485	0.5357	28.4%
372	VAGINAL DELIVERY W COMPLICATING DIAGNOSES	6,985	6,436	1		4,591	0.9215	0.6573	28.7%
169	MOUTH PROCEDURES W/O CC	4,062	4,235	2,756		962	1,0427	0.7364	29.4%
200	HEPATOBIILIARY DIAGNOSTIC PROCEDURE FOR NON-MALIGNANCY	174	637	8		424	3.6600	2,5540	30.2%
237	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH	146	141	3		96	0.9677	0.6735	30.4%
400	LYMPHOMA & LEUKEMIA W MAJOR O.R. PROCEDURE	289	1,308	28		822	4.5271	3,1489	30.4%
445	TRAUMATIC INJURY AGE >17 W/O CC	1,346	1,218	172		955	0.9049	0.6293	30.5%
87	PULMONARY EDEMA & RESPIRATORY FAILURE	157	544	74		556	3.4656	2,4077	30.5%
308	PROSTATECTOMY W CC	267	620	159		174	2.3227	1,6121	30.6%
18	CRANIAL & PERIPHERAL NERVE DISORDERS W CC	414	624	143		277	1.5075	1,0213	32.3%
343	CIRCUMCISION AGE 0-17	2,479	1,781	568		900	0.7184	0.4710	34.4%
293	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W/O CC	79	166	4		111	2.1075	1,3416	36.3%
392	SPLENECTOMY AGE >17	176	574	36		283	3.2634	2,0249	37.9%
345	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC EXCEPT FOR MALIGNANCY	196	189	3		114	0.9642	0.5913	38.7%
153	MINOR SMALL & LARGE BOWEL PROCEDURE W/O CC	3,092	5,916	2,823		313	1.9133	1,1638	39.2%
168	MOUTH PROCEDURES W CC	645	1,440	510		153	2.2325	1,1346	49.2%
129	CARDIAC ARREST, UNEXPLAINED	141	727	4		368	5.1585	2,5359	50.8%
192	PANCREAS, LIVER & SHUNT PROCEDURES W/O CC	156	1,009	39		364	6.4666	3,1094	51.9%
83	MAJOR CHEST TRAUMA W CC	102	307	84		112	3.0070	1,3332	55.7%
7	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W CC	180	1,436	64		383	7.9774	3,3020	58.6%
411	HISTORY OF MALIGNANCY W/O ENDOSCOPY	108	146	26		33	1.3532	0.3997	70.5%
109	NO LONGER VALID	249	1,352	249		0	5.4304		
385	NO LONGER VALID	1,801	2,067	1,801		0			
396	NO LONGER VALID	727	3,321	727		0	4.5681		
387	NO LONGER VALID	1,568	3,140	1,568		0	2.0025		
388	NO LONGER VALID	2,285	2,020	2,285		0	0.8839		
389	NO LONGER VALID	7,514	4,048	7,514		0	0.5387		
390	NO LONGER VALID	12,428	2,895	12,428		0	0.2329		
435	NO LONGER VALID	7,565	7,708	7,565		0	1.0189		
103	HEART TRANSPLANT	0	0	0		0			
438	NO LONGER VALID	0	0	0		0			
474	NO LONGER VALID	0	0	0		0			
475	RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT	0	0	380		1,641		4,3186	
476	PROSTATIC O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	0	44	44		121		2,7415	
477	NON-EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	0	2,415	2,415		4,402		1,8226	
478	OTHER VASCULAR PROCEDURES W CC	0	598	598		2,142		3,5811	
479	OTHER VASCULAR PROCEDURES W/O CC	0	555	555		1,026		1,8486	

Continued

DRG	DESCRIPTION	VERSION 4		VERSION 8		DIFFERENCE		VERSION 4		VERSION 8		%AGE CHANGE	
		DISP	DISP	DISP	DISP	IN	DISPOSITIONS	RWPs	CMI	RWPs	CMI	IN	CMI
480	LIVER TRANSPLANT	0	7	7	-7			0	144		20.6039		
481	BONE MARROW TRANSPLANT	0	48	48	-48			0	720		14.9951		
482	TRACHEOSTOMY W MOUTH, LARYNX OR PHARYNX DISORDER	0	288	288	-288			0	1,120		3.8894		
483	TRACHEOSTOMY EXCEPT FOR MOUTH, LARYNX OR PHARYNX DISORDER	0	556	556	-556			0	7,963		14.3211		
484	CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA	0	24	24	-24			0	225		9.3572		
485	LIMB REATTACHMENT, HIP AND FEMUR PROC FOR MULTIPLE SIGNIFICANT	0	101	101	-101			0	567		5.6121		
486	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA	0	346	346	-346			0	2,466		7.1280		
487	OTHER MULTIPLE SIGNIFICANT TRAUMA	0	279	279	-279			0	1,085		3.8883		
488	HIV W EXTENSIVE O.R. PROCEDURE	0	50	50	-50			0	252		5.0425		
489	HIV W MAJOR RELATED CONDITION	0	635	635	-635			0	2,983		4.6975		
490	HIV W OR W/O OTHER RELATED CONDITION	0	1,454	1,454	-1,454			0	4,119		2.8329		
600	NEONATE, DIED WITHIN ONE DAY OF BIRTH	0	228	228	-228			0	175		0.7679		
601	NEONATE, TRANSFERRED <5 DAYS OLD	0	1,115	1,115	-1,115			0	3,424		0.3424		
602	NEONATE, BIRTHWT <750G, DISCHARGED ALIVE	0	60	60	-60			0	303		5.0430		
603	NEONATE, BIRTHWT <750G, DIED	0	24	24	-24			0	242		10.0864		
604	NEONATE, BIRTHWT 750-999G, DISCHARGED ALIVE	0	73	73	-73			0	791		10.8394		
605	NEONATE, BIRTHWT 750-999G, DIED	0	14	14	-14			0	106		7.5702		
606	NEONATE, BIRTHWT 1000-1499G, W SIGNIF OR PROC, DISCHARGED ALIVE	0	21	21	-21			0	302		14.3895		
607	NEONATE, BIRTHWT 1000-1499G, W/O SIGNIF OR PROC, DISCHARGED ALIVE	0	268	268	-268			0	1,662		6.2009		
608	NEONATE, BIRTHWT 1000-1499G, DIED	0	13	13	-13			0	145		11.1619		
609	NEONATE, BIRTHWT 1500-1999G, W SIGNIF OR PROC, W MULT MAJOR PRO	0	18	18	-18			0	126		6.9807		
610	NEONATE, BIRTHWT 1500-1999G, W SIGNIF OR PROC, W/O MULT MAJOR P	0	5	5	-5			0	44		8.7105		
611	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W MULT MAJOR P	0	98	98	-98			0	505		5.1569		
612	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W MAJOR PROB	0	162	162	-162			0	635		3.9167		
613	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W MINOR PROB	0	121	121	-121			0	269		2.2229		
614	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W OTHER PROB	0	320	320	-320			0	1,373		4.39		
615	NEONATE, BIRTHWT 2000-2499G, W SIGNIF OR PROC, W MULT MAJOR PROB	0	14	14	-14			0	108		7.7243		
616	NEONATE, BIRTHWT 2000-2499G, W SIGNIF OR PROC, W/O MULT MAJOR PROB	0	14	14	-14			0	148		10.6009		
617	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W MULT MAJOR PR	0	86	86	-86			0	329		3.8223		
618	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W MAJOR PROB	0	181	181	-181			0	421		2.3272		
619	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W MINOR PROB	0	177	177	-177			0	253		1.4296		
620	NO LONGER VALID	0	0	0	0			0	0				
621	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W OTHER PROB	0	1,186	1,186	-1,186			0	621		0.5237		
622	NEONATE, BIRTHWT >2499G, W SIGNIF OR PROC, W MULT MAJOR PROB	0	109	109	-109			0	1,136		10.4205		
623	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, W MULT PROB	0	254	254	-254			0	889		3.5066		
624	NEONATE, BIRTHWT >2499G, W MINOR ABDOM PROCEDURE	0	75	75	-75			0	66		0.8835		
625	NO LONGER VALID	0	0	0	0			0	0				
626	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, MULT MAJOR PROB	0	675	675	-675			0	2,749		4.0724		
627	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, W MAJOR PROB	0	2,870	2,870	-2,870			0	3,293		1.1473		
628	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, W MINOR PROB	0	3,515	3,515	-3,515			0	2,204		0.6270		
629	NO LONGER VALID	0	0	0	0			0	0				
630	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, W OTHER PROB	0	16,654	16,654	-16,654			0	3,226		0.1937		
631	BPD AND OTH CHRONIC RESPIRATORY DISEASES ARISING IN PERINATAL P	0	47	47	-47			0	373		7.9429		
632	OTHER RESPIRATORY PROBLEMS AFTER BIRTH	0	56	56	-56			0	44		0.7899		
633	MULTIPLE, OTHER AND UNSPECIFIED CONGENITAL ANOMALIES, W CC	0	17	17	-17			0	6		0.3587		
634	MULTIPLE, OTHER AND UNSPECIFIED CONGENITAL ANOMALIES, W/O CC	0	51	51	-51			0	165		3.2264		
635	NEONATAL AFTERCARE FOR WEIGHT GAIN	0	7	7	-7			0	9		1.2606		
636	NEONATAL DIAGNOSIS AGE > 28 DAYS	0	351	351	-351			0	2,951		8.4088		
900	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE <=21 W/O	0	3,260	3,260	-3,260			0	9,013		2.7646		
901	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE > 21 W/O	0	9,519	9,519	-9,519			0	16,155		1.6971		
TOTALS UNWEIGHTED AVERAGES		866,875	866,599	866,599	276			743,829	784,431	0.8581	0.9052	105.5%	

higher for these DRG. Additionally, DRGs 370-375, which include nearly all normal pregnancies, had relatively large declines in case weights and CMIs. Therefore, the type of services that a facility provides will influence that facility's change in CMI. For example, a facility that does not offer obstetrics and gynecological services and concentrates on mental diseases and disorders and substance abuse may have a significant increase in CMI given the above results.

3.2 COMPARISON OF VERSION 4 AND VERSION 8 DRG GROUPE FACILITY CMIs

Exhibit 3-6 displays CMIs by Service branch and model peer group and compares the results of using the Version 4 DRG Grouper versus the Version 8 DRG Grouper and associated updates. Since the type of care provided at a medical center may be substantially different from that provided at a CONUS or overseas hospital, there may exist a distinct difference in the impact of updating the DRG grouper on computed case-mix complexity. As seen in the exhibit, the overall increase in DoD computed case-complexity was 5.5%. The CMI for Air Force CONUS community hospitals, however, increased by only 0.4% while the CMI for Navy CONUS hospitals increased by 10.7%. Additionally, the Navy overall CMI increased by 9.4% while the Army and Air Force CMIs increased by 5.3% and 3.6% respectively.

The observed differences in the impact on computed CMIs may be partially attributed to differences, by Service branch and facility type, in the type of care provided. Exhibit 3-7 shows Version 4 and Version 8 DRG Grouper CMIs by major diagnostic category (MDC) for all MTFs combined. Note the extreme variation in changes in CMIs across MDCs. The average case complexity for a disposition within MDC 19-Mental Diseases and Disorders, increased by 91.2% while the CMI within MDC 21-Injury, Poisoning, and Toxic Effects of Drugs, decreased by 12.4%.

**EXHIBIT 3-6: FY90 VERSION 4 AND VERSION 8 DRG GROUPER CMIs BY
MODEL PEER GROUP**

SERVICE BRANCH/MODEL PEER GROUP	FY90 VERSION 4 CMI	FY90 VERSION 8 CMI	PERCENTAGE CHANGE FY90 VERSION 4 TO FY90 VERSION 8 CMI
ARMY*			
CONUS Community Hospitals	0.7184	0.7380	2.7%
Medical Centers	1.1659	1.2382	6.2%
Overseas Hospitals	0.7719	0.8277	7.2%
All Army Facilities	0.8800	0.9237	5.0%
NAVY			
CONUS Community Hospitals	0.7370	0.8160	10.7%
Medical Centers	0.9372	1.0156	8.4%
Overseas Hospitals	0.6874	0.7488	8.9%
All Navy Facilities	0.8158	0.8921	9.4%
USAF*			
CONUS Community Hospitals	0.6691	0.6715	0.4%
Medical Centers	1.1839	1.2587	6.3%
Overseas Hospitals	0.7072	0.7357	4.0%
All USAF Facilities	0.8567	0.8876	3.6%
DoD			
CONUS Community Hospitals	0.7052	0.7307	3.6%
Medical Centers	1.1104	1.1851	6.7%
Overseas Hospitals	0.7383	0.7891	6.9%
All Facilities	0.8581	0.9052	5.5%

* Workload for Brooke AMC is included within the Air Force Medical Center peer group for all fiscal years.

EXHIBIT 3-7: VERSION 4 AND VERSION 8 DRG GROUPER DoD OVERALL CMIs BY MDC

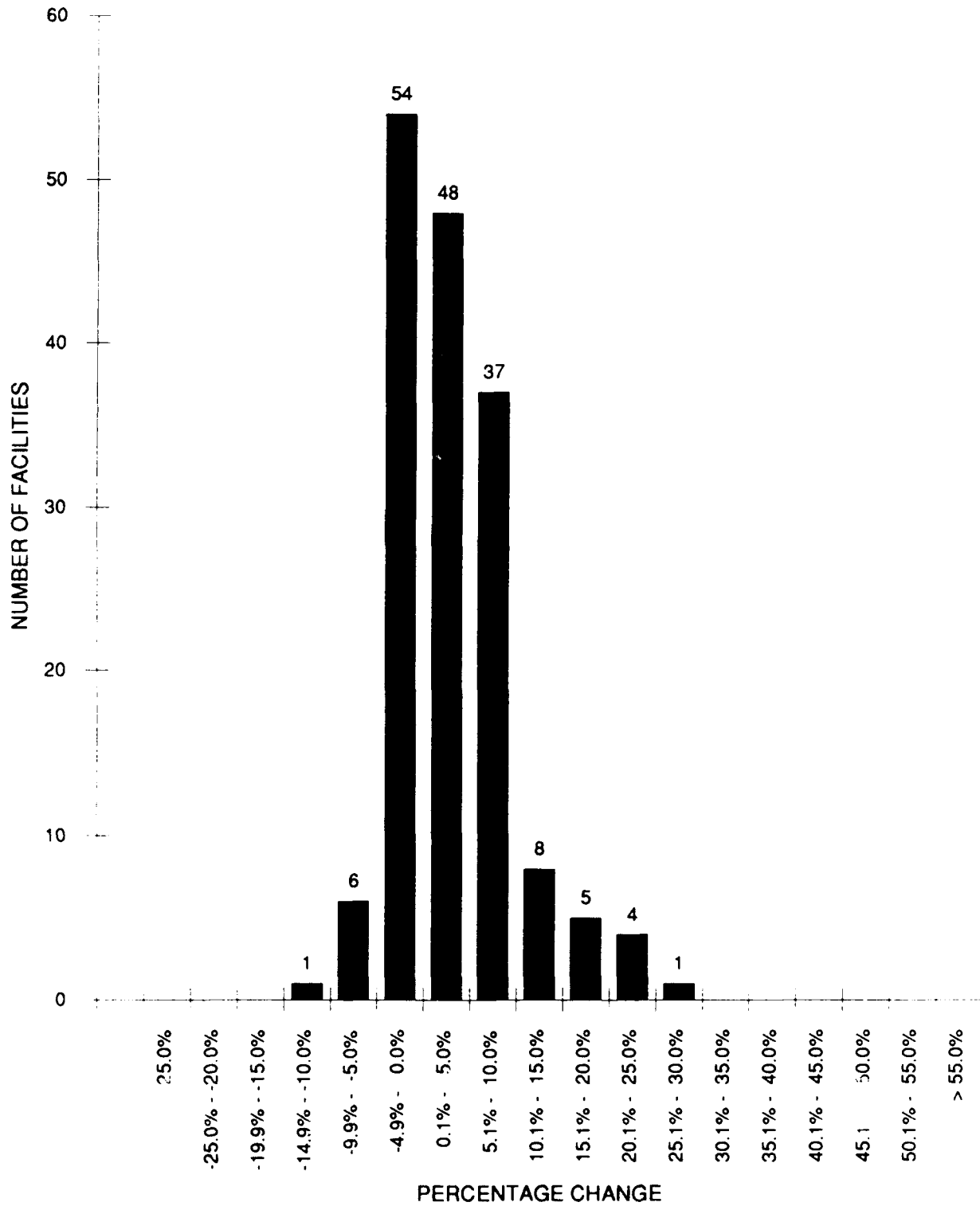
MAJOR DIAGNOSTIC CATEGORY	VERSION 4		VERSION 8		VERSION 4		VERSION 8		%AGE CHANGE VERSION 4 TO VERSION 8 CMI
	DISP.	RWPs	DISP.	RWPs	CMI	CMI	CMI		
1 Nervous System	29,515	36,478	29,182	40,090	1,2359	1,373b	11.2%		
2 Eye Disorders	16,181	11,373	16,162	12,052	0.7029	0.7457	6.1%		
3 Ear/Nose/Mouth/Throat	48,555	26,941	48,647	46,276	0.5548	0.6844	19.8%		
4 Respiratory System	41,003	50,485	40,710	49,542	1,2313	1,2169	-1.2%		
5 Circulatory System	49,854	66,362	50,072	67,909	1,3311	1,3562	1.9%		
6 Digestive System	107,410	99,128	85,643	72,984	0.9229	0.8522	-7.7%		
7 Hepatobiliary System	14,377	21,025	14,299	19,617	1,4624	1,3719	-6.2%		
8 Musculoskeletal System	85,876	94,026	85,792	95,658	1,0949	1,1150	1.8%		
9 Skin/Subcutaneous Tissue	41,959	36,492	41,928	37,225	0.8697	0.8878	2.1%		
10 Endocrine/Nutritional	13,859	13,075	13,757	11,825	0.9434	0.8596	-8.9%		
11 Kidney/Urinary Tract	21,666	22,273	21,653	21,266	1,0280	0.9821	-4.5%		
12 Male Reproductive System	19,156	14,189	18,572	13,304	0.7407	0.7164	-3.3%		
13 Female Reproductive System	42,570	33,910	42,543	33,455	0.7966	0.7864	-1.3%		
14 Pregnancy/Childbirth	135,381	78,880	135,117	69,492	0.5927	0.5139	-11.8%		
15 Neonatal/Perinatal Period	94,420	27,119	97,063	33,026	0.2872	0.3403	18.5%		
16 Blood/Immunity	8,382	10,952	6,811	8,256	1,3066	1,2122	-7.2%		
17 Myeloproliferative/Neoplasms	8,481	13,900	8,449	16,315	1,6391	1,9310	17.8%		
18 Infectious/Parasitic	16,434	14,032	15,828	14,271	0.8539	0.9016	5.6%		
19 Mental Disease/Disorder	20,734	25,646	20,681	48,913	1,2369	2,3651	91.2%		
20 Substance Use/Organic Mental	16,008	17,047	16,008	29,739	1,0649	1,8577	74.4%		
21 Injury, Poison, Toxic Effects	15,178	16,039	14,141	13,090	1,0568	0.9256	-12.4%		
22 Burns	1,238	2,605	1,236	2,656	2,1038	2,1489	2.1%		
23 Other Factors/Contacts	18,637	11,853	18,302	15,729	0.8360	0.8594	35.1%		
24 Multiple Significant Trauma	0	0	754	4,385	---	5.8155	---		
25 HIV Infections	0	0	2,139	7,354	---	3,4381	---		
All Care	866,874	743,828	866,599	784,431	0.8581	0.9052	5.5%		

Additionally, care within MDC 14-Pregnancy, Childbirth, and the Puerperium declined in computed average case complexity by 11.8%. Given these results, any facility or model peer group that does not provide care that is distributed similar to the DoD overall "average" may have a change in CMI substantially different from the DoD average.

An excellent example of differences in the type of care provided impacting changes in CMI exists when comparing Navy CONUS hospital and Air Force CONUS hospital workload. Appendix A contains exhibits similar to exhibit 3-7 for all model peer groups. Exhibits A-4 and A-7 present Navy and Air Force CONUS hospital data respectively. The Navy hospitals had a predominantly higher proportion of total workload within MDCs 19 and 20 relative to the Air Force. More than 20% of all workload in terms of Version 8 RWPs at Navy CONUS hospitals was within MDC 19-Mental Diseases and Disorders and MDC 20-Substance Use and Substance Induced Mental Disorders while only 6% of Air Force CONUS hospital workload was within these MDCs. Additionally, the CMIs within MDCs 19 and 20 increased substantially more within the Navy than the Air Force when comparing the two groupers. Therefore, all other factors being essentially equal, the Navy CONUS hospital overall CMI increased more than the Air Force CONUS hospital CMI.

Exhibit 3-8 presents a histogram of the percentage change in facility CMIs when comparing the Version 4 DRG Grouper and Version 8 DRG grouper and associated weights and trim points. Of the 164 MTFs reviewed, 145 had less than a 10% change in CMI. NH Lemoore (DMIS ID 28) had a 10.3% decline in CMI, USAF Hospital Hellenikon (DMIS ID 631) had a 28.8% increase in CMI, and 9 MTFs had between a 15% and 25% increase in CMI. Therefore, relatively few facilities had a change in CMI substantially different from the 5.5% overall increase. Exhibits 3-9 through 3-11 present FY90 Version 4 and Version 8 CMIs for Army, Navy, and Air

EXHIBIT 3-8: HISTOGRAM OF PERCENTAGE CHANGE BETWEEN FY90
VERSION 4 AND FY90 VERSION 8 FACILITY CMI



**EXHIBIT 3-9: FY90 ARMY FACILITY VERSION 4 AND VERSION 8 GROUPER
GROUPER CMIs (BY PEER GROUP SORTED ON DMIS ID)**

DMIS ID	FACILITY	FY90 VERSION 4 CMI	FY90 VERSION 8 CMI	%AGE CHANGE FY90 VERSION 4 TO FY90 VERSION 8 CMI
1	FOX AH-REDSTONE ARSENAL	0.7656	0.7612	-0.6%
2	NOBLE AH-FT MCCLELLAN	0.7207	0.6914	-4.1%
3	LYSTER AH-FT RUCKER	0.6838	0.6565	-4.0%
5	BASSETT ACH-FT WAINWRIGHT	0.6131	0.6089	-0.7%
8	BLISS AH-FT HUACHUCA	0.7201	0.7229	0.4%
23	HAYS AH-FT ORD	0.6704	0.6801	1.5%
32	EVANS AH-FT CARSON	0.6677	0.6547	-2.0%
48	MARTIN AH-FT BENNING	0.8417	0.8835	5.0%
49	WINN AH-FT STEWART	0.6436	0.6591	2.4%
57	IRWIN AH-FT RILEY	0.6797	0.7143	5.1%
58	MUNSON AH-FT LEAVENWORTH	0.8275	0.8359	1.0%
60	BLANCHFIELD ACH-FT CAMPBELL	0.8310	0.8771	5.5%
61	IRELAND AH-FT KNOX	0.7191	0.7355	2.3%
64	BAYNE-JONES AH-FT POLK	0.6239	0.6412	2.8%
69	KIMBROUGH AH-FT MEADE	0.8512	0.8430	-1.0%
70	CUTLER AH-FT DEVENS	0.7036	0.7271	3.3%
75	WOOD AH-FT LEONARD WOOD	0.7347	0.7523	2.4%
81	PATTERSON AH-FT MONMOUTH	0.7467	0.7676	2.8%
82	WALSON AH-FT DIX	0.7880	0.8493	7.8%
86	KELLER AH-WEST POINT	0.6972	0.7190	3.1%
89	WOMACK AH-FT BRAGG	0.7360	0.7737	5.1%
98	REYNOLDS AH-FT SILL	0.7439	0.7403	-0.5%
105	MONCRIEF AH-FT JACKSON	0.8367	0.9476	13.2%
110	DARNALL AH-FT HOOD	0.6401	0.6553	2.4%
121	MCDONALD AH-FT EUSTIS	0.7129	0.7290	2.3%
122	KENNER AH-FT LEE	0.7320	0.7714	5.4%
123	DEWITT AH-FT BELVOIR	0.6517	0.6350	-2.6%
131	WEED ACH-FT IRWIN	0.5416	0.5236	-3.3%
294	HAWLEY AH-FT B. HARRISON	0.6767	0.6637	-1.9%
330	WILCOX AH/C FT DRUM	0.4000	-----	-----
Total Army CONUS Community Hospitals		0.7184	0.7380	2.7%
22	LETTERMAN AMC-PRESIDIO OF SF	1.4636	1.5751	7.6%
31	FITZSIMONS AMC-DENVER	1.3723	1.4238	3.7%
37	WALTER REED AMC-WASHINGTON	1.4693	1.6026	9.1%
77	EISENHOWER AMC-FT GORDON	1.1247	1.1997	6.7%
108	TRIPLER AMC-FT SHAFTER	0.9543	1.0265	7.6%
108	WILLIAM BEAUMONT AMC-FT BLISS	0.9870	1.0571	7.1%
125	MADIGAN AMC-FT LEWIS	0.9184	0.9198	0.2%
Total Army Medical Centers		1.1659	1.2382	6.2%
601	34th GENERAL HOSP-AUGSBURG	0.7419	0.7765	4.7%
602	5th GENERAL HOSP-BAD CANNSTATT	0.7857	0.9425	20.0%
603	AH BERLIN	0.7089	0.7308	3.1%
604	2nd FIELD HOSP-BREMERHAVEN	0.6343	0.6246	-1.5%
605	97th GENERAL HOSP-FRANKFURT	0.7775	0.8604	10.7%
606	130th STATN HOSP-HEIDELBERG	0.6740	0.6906	2.5%
607	2nd GENERAL HOSP-LANDSTUHL	0.9079	0.9533	5.0%
608	98th GENERAL HOSP-NURNBERG	0.7933	0.8568	8.0%
609	67th EVACUATION HOSP-WURZBURG	0.5819	0.5966	2.5%
611	45th FIELD HOSP-VICENZA	0.6208	0.6496	4.6%
612	121st EVACUATION HOSP-SEOUL	0.7822	0.8600	9.9%
613	GORGAS ACH	0.8504	0.8876	4.4%
614	196TH STATION HOSP-SHAPE	0.6673	0.6708	0.5%
Total Army Overseas Hospitals		0.7719	0.8277	7.2%
Total All Army Facilities		0.8800	0.9237	5.0%

**EXHIBIT 3-10: FY90 NAVY FACILITY VERSION 4 AND VERSION 8 GROUPE CMIs
(BY PEER GROUP SORTED ON DMIS ID)**

DMIS ID	FACILITY	FY90 VERSION 4 CMI	FY90 VERSION 8 CMI	%AGE CHANGE FY90 VERSION 4 TO FY90 VERSION 8 CMI
7	BRH NAVSTA ADAK	0.5588	0.5592	0.4%
24	NH CAMP PENDLETON	0.7342	0.7751	5.6%
25	NH LONG BEACH	0.9548	1.1258	17.9%
28	NH LEMOORE	0.6019	0.5401	-10.3%
30	BRH MGAGCC TWENTY NINE PALMS	0.5317	0.5077	-4.5%
35	NH GROTON	0.7736	0.8132	5.1%
36	NH PENSACOLA	0.8299	0.8518	2.6%
39	NH JACKSONVILLE	0.7202	0.8184	13.4%
40	NH ORLANDO	0.7322	0.8997	22.9%
56	NH GREAT LAKES	0.9236	1.1117	20.4%
68	NH PATUXENT RIVER	0.5015	0.4669	-6.9%
91	NH CAMP LEJEUNE	0.7323	0.8058	10.0%
92	NH CHERRY POINT	0.5124	0.4852	-5.3%
99	NH PHILADELPHIA	0.7246	0.8381	15.7%
100	NH NEWPORT	0.7872	0.9675	21.4%
103	NH CHARLESTON	0.7442	0.8119	9.1%
104	NH BEAUFORT	0.7440	0.7941	6.7%
107	NH MILLINGTON	0.6378	0.7887	23.7%
118	NH CORPUS CHRISTI	0.8378	0.9267	10.6%
126	NH BREMERTON	0.7192	0.7952	10.6%
127	NH OAK HARBOR	0.512	0.5194	-1.8%
	Total Navy CONUS Community Hospitals	0.7370	0.8160	10.7%
27	NH OAKLAND	0.9064	0.9323	2.9%
29	NH SAN DIEGO	0.9360	1.0273	9.7%
67	NH BETHESDA	1.1197	1.2082	7.9%
124	NH PORTSMOUTH	0.8457	0.9273	9.6%
	Total Navy Medical Centers	0.9372	1.0156	8.4%
615	NH GUANTANAMO BAY	0.6134	0.6486	5.7%
618	NH ROOSEVELT ROADS-CEIBA	0.7051	0.7895	12.0%
617	NH NAPLES	0.6043	0.6264	3.7%
618	NH ROTA	0.9227	1.0689	15.8%
619	NH SUBIC BAY	0.6779	0.7417	9.4%
620	NH GUAM-AGANA	0.6816	0.7191	5.5%
621	NH OKINAWA	0.6653	0.7193	8.1%
622	NH YOKOSUKA	0.7092	0.7902	11.4%
623	NH KEFLAVIK	0.5577	0.5964	6.9%
624	BRH USNAF, SIGONELLA	0.5175	0.5396	4.3%
	Total Navy Overseas Hospitals	0.6874	0.7488	8.9%
	Total All Navy Facilities	0.8158	0.8921	9.4%

EXHIBIT 3-11: FY90 USAF FACILITY VERSION 4 AND VERSION 8 GROUPE CMIS
(BY PEER GROUP SORTED ON DMIS ID)

DMIS ID	FACILITY	FY90 VERSION 4 CMI	FY90 VERSION 8 CMI	%AGE CHANGE FY90 VERSION 4 TO FY90 VERSION 8 CMI
4	AIR UNIVERSITY RGN HOSP-MAXWELL	0.7828	0.7598	-0.4%
6	USAF HOSP ELMENDORF	0.6943	0.7267	4.7%
9	832nd MED GRP-LUKE	0.6714	0.6646	-1.0%
10	836th MED GRP-DAVIS MONTHAN	0.6633	0.6446	-2.8%
11	USAF HOSP WILLIAMS	0.5617	0.5429	-3.3%
12	97th STRAT HOSP-EAKER	0.5809	0.5714	-1.6%
13	USAF HOSP LITTLE ROCK	0.6571	0.6434	-2.1%
18	8th STRAT HOSP-BEALE	0.6681	0.6570	-2.0%
18	USAF HOSP MATHER	0.7317	0.6839	-6.5%
17	93rd STRAT HOSP-CASTLE	0.5361	0.5247	-2.1%
18	1st STRAT HOSP-VANDENBERG	0.6442	0.6518	1.2%
19	USAF HOSP EDWARDS	0.5934	0.5581	-5.9%
20	831st MED GRP-GEORGE	0.5817	0.5969	2.6%
21	22nd STRAT HOSP-MARCH	0.7503	0.8006	6.7%
33	USAF ACADEMY HOSP	0.6892	0.6884	-0.1%
36	USAF HOSP DOVER	0.6126	0.6029	-1.6%
42	USAF RGN HOSP EGLIN	0.7518	0.8022	6.7%
43	325th MED GRP-TYNDALL	0.6801	0.6619	-2.7%
44	31st MED GRP-HOMESTEAD	0.6872	0.6633	-3.5%
45	56th MED GRP-MACDILL	0.6780	0.6679	-1.5%
46	USAF HOSP PATRICK	0.7999	0.7815	-2.3%
50	347th MED GRP-MOODY	0.7271	0.7408	1.9%
51	USAF HOSP ROBINS	0.6578	0.6352	-3.4%
54	USAF HOSP CHANUTE	0.7859	0.7926	0.8%
51	384th STRAT HOSP-MCCONNELL	0.7167	0.7314	2.0%
62	2nd STRAT HOSP-BARKSDALE	0.6816	0.6628	-2.8%
63	23rd MED GRP-ENGLAND	0.7341	0.7161	-2.5%
65	42nd STRAT HOSP-LORING	0.5586	0.5674	1.6%
71	379th STRAT HOSP-WURTSMITH	0.6231	0.6026	-3.3%
72	410th STRAT HOSP-K.I.SAWYER	0.5537	0.5367	-3.1%
74	USAF HOSP COLUMBUS	0.7318	0.7178	-1.9%
76	351st STRAT HOSP-WHITEMAN	0.5163	0.5099	-1.2%
77	341st STRAT HOSP-MALMSTROM	-----	-----	-----
78	EHRLING BERQUIST RGN HOSP-OFFUTT	0.6514	0.6513	0.0%
79	554th MED GRP-NELLIS	0.6084	0.5948	-2.2%
80	509th STRAT HOSP-PEASE	0.6559	0.6628	1.1%
83	USAF HOSP KIRTLAND	0.7777	0.7999	2.8%
84	833rd MED GRP-HOLLOMAN	0.5771	0.5429	-5.9%
85	27th MED GRP-CANNON	0.6105	0.6099	-0.1%
87	380th STRAT HOSP-PLATTSBURGH	0.6951	0.7441	7.0%
88	416th STRAT HOSP-GRIFFISS	0.5449	0.5282	-3.1%
90	4th MED GRP-SEYMOUR JOHNSON	0.5860	0.5572	-4.9%
93	842nd STRAT HOSP-GRAND FORKS	0.5495	0.5554	1.1%
94	857th STRAT HOSP-MINOT	0.6908	0.6904	-0.1%
96	USAF HOSP TINKER	0.5852	0.5854	-1.7%
97	USAF HOSP ALTUS	0.5954	0.5805	-2.5%
101	363rd MED GRP-SHAW	0.5875	0.5680	-3.3%
102	354th MED GRP-MYRTLE BEACH	0.7942	0.8064	1.5%
106	44th STRAT HOSP-ELLSWORTH	0.5470	0.5470	0.0%
111	USAF HOSP REESE	0.6176	0.6381	3.3%
112	96th STRAT HOSP-DYESS	0.5939	0.5563	-6.3%
113	USAF RGN HOSP SHEPPARD	0.9208	1.0992	19.4%
114	USAF HOSP LAUGHLIN	0.5386	0.5271	-2.1%
115	67th MED GRP-BERGSTROM	0.7455	0.7451	0.0%

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EXHIBIT 3-11: FY90 USAF FACILITY VERSION 4 AND VERSION 8 GROUPE CMIs
(BY PEER GROUP SORTED ON DMIS ID)
(Concluded)

DMIS ID	FACILITY	FY90 VERSION 4 CMI	FY90 VERSION 8 CMI	%AGE CHANGE FY90 VERSION 4 TO FY90 VERSION 8 CMI
116	R. THOMPSON STRAT HOSP-CARSWELL	0.8226	0.8148	-0.9%
119	USAF HOSP HILL	0.6308	0.6128	-2.8%
120	1st MED GRP-LANGLEY	0.5465	0.5301	-3.0%
128	92nd STRAT HOSP-FAIRCHILD	0.6888	0.6671	-3.2%
129	90th STRAT HOSP-F.E. WARREN	0.5725	0.5569	-2.7%
	Total USAF CONUS Community Hospitals	0.6691	0.6715	0.4%
14	DAVID GRANT MED CTR-TRAVIS	1.0364	1.1047	6.6%
55	USAF MED CTR SCOTT	0.9242	0.9174	-0.7%
66	MALCOM GROW MED CTR-ANDREWS	1.0337	1.1370	10.0%
73	USAF MED CTR KEESLER	1.1821	1.2446	5.3%
95	USAF MED CTR WRIGHT-PATTERSON	1.0835	1.1664	7.6%
109	BROOKE AMC (JMMC)-FT SAM HOUSTON	1.3264	1.3473	1.6%
117	WILFORD HALL MED CTR-LACKLAND	1.3052	1.4349	9.9%
	Total USAF Medical Centers	1.1839	1.2587	6.3%
626	USAF HOSP BITBURG	0.5388	0.5414	0.5%
627	USAF HOSP HAHN	0.5202	0.4981	-4.2%
628	USAF RGN MED CTR WIESBADEN	0.8464	0.8734	3.2%
629	USAF HOSP LAJES	0.5448	0.5557	2.0%
630	USAF HOSP TORREJON	0.6193	0.6267	1.2%
631	USAF HOSP HELLENIKON	0.6793	0.8753	28.8%
632	USAF HOSP UPPER HEYFORD	0.5880	0.6141	4.4%
633	USAF RGN HOSP LAKENHEATH	0.6404	0.7007	9.4%
634	USAF HOSP IRAKLION	-----	-----	-----
635	USAF HOSP INCIRLIK	0.6844	0.6793	-0.7%
636	13th MED CENTER-CLARK AB	0.8800	0.9247	5.1%
637	8th MED GRP-KUNSON AB	0.9000	0.9477	5.3%
638	51st MED GRP-OSAN AB	0.6669	0.6692	0.4%
639	432th MED GRP-MISAWA	0.5413	0.5607	7.3%
640	475th MED GRP-YOKOTA AB	0.6466	0.6670	3.1%
	Total USAF Overseas Hospitals	0.7072	0.7357	4.0%
	Total All USAF Facilities	0.8567	0.8876	3.6%

Force facilities, respectively. The facilities are separated by model peer group and presented in order of DMIS ID. Exhibits 3-12 through 3-14 provide the same information for Army, Navy, and Air Force facilities except the MTFs are sorted by change in CMI rather than DMIS ID.

Since there exists an observed general increase in the overall CMI when comparing the Version 4 and Version 8 DRG Groupers and associated weights and trim points, updating the DRG grouper will generally increase measured workload and case-mix complexity. To preserve comparability of RWPs, CMIs, and IWUs over time it may be necessary to adjust values computed using different DRG Groupers as grouper software and associated weights and trim points are updated. Section 3.3 describes a proposed methodology for preserving the comparability of workload and case-mix complexity measures while updating grouper software, case weights, and trim points.

3.3 A METHODOLOGY FOR PRESERVING COMPARABILITY OF WORKLOAD AND CMIs

Since a general increase in the overall CMI was observed, updating to the Version 8 DRG Grouper and associated weights and trim points will generally increase computed workload and case-mix complexity values. To preserve comparability of RWPs, CMIs, and IWUs over time it may be necessary to adjust values computed using the Version 8 DRG Grouper to allow comparison to workload computed using the Version 4 DRG Grouper.

A CMI correction factor may be computed by assigning DRGs and computing RWPs using two grouper versions and associated weights and trim points. A comparison of the resultant DOD overall CMIs will provide a DoD global adjustment factor. For example, the resulting FY90 DoD-wide CMI when using the Version 4 DRG Grouper was 0.8581 and using the Version 8 DRG Grouper was 0.9052. The ratio of the version 8 to version

**EXHIBIT 3-12: FY90 ARMY FACILITY VERSION 4 AND VERSION 8 GROUPE CMIs
(BY PEER GROUP SORTED ON PERCENTAGE CHANGE)**

DMIS ID	FACILITY	FY90 VERSION 4 CMI	FY90 VERSION 8 CMI	%AGE CHANGE FY90 VERSION 4 TO FY90 VERSION 8 CMI
10C	MONCRIEF AH-FT JACKSON	0.8367	0.9478	13.2%
82	WALSON AH-FT DIX	0.7880	0.8493	7.8%
60	BLANCHFIELD ACH-FT CAMPBELL	0.8310	0.8771	5.5%
122	KENNER AH-FT LEE	0.7320	0.7714	5.4%
89	WOMACK AH-FT BRAGG	0.7360	0.7737	5.1%
57	IRWIN AH-FT RILEY	0.6797	0.7143	5.1%
48	MARTIN AH-FT BENNING	0.8417	0.8835	5.0%
70	CUTLER AH-FT DEVENS	0.7036	0.7271	3.3%
86	KELLER AH-WEST POINT	0.6972	0.7190	3.1%
81	PATTERSON AH-FT MONMOUTH	0.7467	0.7676	2.8%
64	BAYNE-JONES AH-FT POLK	0.6239	0.6412	2.8%
49	WINN AH-FT STEWART	0.6436	0.6591	2.4%
75	WOOD AH-FT LEONARD WOOD	0.7347	0.7523	2.4%
110	DARNALL AH-FT HOOD	0.6401	0.6553	2.4%
61	IRELAND AH-FT KNOX	0.7191	0.7355	2.3%
121	MCDONALD AH-FT EUSTIS	0.7129	0.7290	2.3%
23	HAYS AH-FT ORD	0.6704	0.6801	1.5%
58	MUNSON AH-FT LEAVENWORTH	0.8275	0.8359	1.0%
8	BLISS AH-FT HUACHUCA	0.7201	0.7229	0.4%
98	REYNOLDS AH-FT SILL	0.7439	0.7403	-0.5%
1	FOX AH-REDSTONE ARSENAL	0.7656	0.7612	-0.6%
5	BASSETT ACH-FT WAINWRIGHT	0.6131	0.6089	-0.7%
69	KIMBROUGH AH-FT MEADE	0.8512	0.8430	-1.0%
294	HAWLEY AH-FT B. HARRISON	0.6767	0.6637	-1.9%
32	EVANS AH-FT CARSON	0.6677	0.6547	-2.0%
123	DEWITT AH-FT BELVOIR	0.6517	0.6350	-2.6%
131	WEED ACH-FT IRWIN	0.5416	0.5236	-3.3%
3	LYSTER AH-FT RUCKER	0.6838	0.6565	-4.0%
2	NOBLE AH-FT MCCLELLAN	0.7207	0.6914	-4.1%
330	WILCOX AH/C FT DRUM	0.4000	-----	-----
Total Army CONUS Community Hospitals		0.7184	0.7380	2.7%
37	WALTER REED AMC-WASHINGTON	1.4693	1.6026	9.1%
22	LETTERMAN AMC-PRESIDIO OF SF	1.4636	1.5751	7.6%
52	TRIPLER AMC-FT SHAFTER	0.9543	1.0265	7.6%
108	WILLIAM BEAUMONT AMC-FT BLISS	0.9870	1.0571	7.1%
47	EISENHOWER AMC-FT GORDON	1.1247	1.1997	6.7%
31	FITZSIMONS AMC-DENVER	1.3723	1.4238	3.7%
125	MADIGAN AMC-FT LEWIS	0.9184	0.9198	0.2%
Total Army Medical Centers		1.1659	1.2382	6.2%
602	5th GENERAL HOSP-BAD CANNSTATT	0.7857	0.9425	20.0%
605	97th GENERAL HOSP-FRANKFURT	0.7775	0.8604	10.7%
612	121st EVACUATION HOSP-SEOUL	0.7822	0.8600	9.9%
608	98th GENERAL HOSP-NURNBERG	0.7933	0.8569	8.0%
607	2nd GENERAL HOSP-LANDSTUHL	0.9079	0.9533	5.0%
601	34th GENERAL HOSP-AUGSBURG	0.7419	0.7765	4.7%
611	45th FIELD HOSP-VICENZA	0.6208	0.6496	4.6%
613	GORGAS ACH	0.8504	0.8876	4.4%
603	AH BERLIN	0.7089	0.7308	3.1%
609	67th EVACUATION HOSP-WURZBURG	0.5819	0.5966	2.5%
606	130th STATN HOSP-HEIDELBERG	0.6740	0.6906	2.5%
614	196TH STATION HOSP-SHAPE	0.6673	0.6708	0.5%
604	2nd FIELD HOSP-BREMERHAVEN	0.6343	0.6246	-1.5%
Total Army Overseas Hospitals		0.7719	0.8277	7.2%
Total All Army Facilities		0.8800	0.9237	5.0%

EXHIBIT 3-13: FY90 NAVY FACILITY VERSION 4 AND VERSION 8 GROUPE CMIs
(BY PEER GROUP SORTED BY PERCENTAGE CHANGE)

DMIS ID	FACILITY	FY90 VERSION 4 CMI	FY90 VERSION 8 CMI	%AGE CHANGE FY90 VERSION 4 TO FY90 VERSION 8 CMI
107	NH MILLINGTON	0.8378	0.7887	23.7%
40	NH ORLANDO	0.7322	0.8997	22.9%
100	NH NEWPORT	0.7972	0.9675	21.4%
56	NH GREAT LAKES	0.9236	1.1117	20.4%
25	NH LONG BEACH	0.9548	1.1258	17.9%
99	NH PHILADELPHIA	0.7246	0.8381	15.7%
39	NH JACKSONVILLE	0.7202	0.8184	13.4%
118	NH CORPUS CHRISTI	0.8378	0.9267	10.6%
126	NH BREMERTON	0.7192	0.7952	10.6%
91	NH CAMP LEJEUNE	0.7323	0.8058	10.0%
103	NH CHARLESTON	0.7442	0.8119	9.1%
104	NH BEAUFORT	0.7440	0.7941	6.7%
24	NH CAMP PENDLETON	0.7342	0.7751	5.6%
35	NH GROTON	0.7736	0.8132	5.1%
38	NH PENSACOLA	0.8299	0.8516	2.6%
7	BRH NAVSTA ADAK	0.5568	0.5592	0.4%
127	NH OAK HARBOR	0.5292	0.5194	-1.8%
30	BRH MGAGCC TWENTY NINE PALMS	0.5317	0.5077	-4.5%
92	NH CHERRY POINT	0.5124	0.4852	-5.3%
68	NH PATUXENT RIVER	0.5015	0.4669	-6.9%
28	NH LEMOORE	0.6019	0.5401	-10.3%
	Total Navy CONUS Community Hospitals	0.7370	0.8160	10.7%
29	NH SAN DIEGO	0.9360	1.0273	9.7%
124	NH PORTSMOUTH	0.8457	0.9273	9.6%
67	NH BETHESDA	1.1197	1.2082	7.9%
27	NH OAKLAND	0.9064	0.9323	2.9%
	Total Navy Medical Centers	0.9372	1.0156	8.4%
618	NH ROTA	0.9227	1.0689	15.8%
616	NH ROOSEVELT ROADS-CEIBA	0.7061	0.7895	12.0%
622	NH YOKOSUKA	0.7092	0.7902	11.4%
619	NH SUBIC BAY	0.6779	0.7417	9.4%
621	NH OKINAWA	0.6653	0.7193	8.1%
623	NH KEFLAVIK	0.5577	0.5964	6.9%
615	NH GUANTANAMO BAY	0.6134	0.6486	5.7%
620	NH GUAM-AGANA	0.6816	0.7191	5.5%
624	BRH USNAF, SIGONELLA	0.5175	0.5396	4.3%
617	NH NAPLES	0.6043	0.6264	3.7%
	Total Navy Overseas Hospitals	0.6874	0.7488	8.9%
	Total All Navy Facilities	0.8158	0.8921	9.4%

EXHIBIT 3-14: FY90 USAF FACILITY VERSION 4 AND VERSION 8 GROUPE CMIS
(BY PEER GROUP SORTED ON PERCENTAGE CHANGE)

DMIS ID	FACILITY	FY90 VERSION 4 CMI	FY90 VERSION 8 CMI	%AGE CHANGE FY90 VERSION 4 TO FY90 VERSION 8 CMI
113	USAF RGN HOSP SHEPPARD	0.9208	1.0982	19.4%
87	380th STRAT HOSP-PLATTSBURGH	0.6951	0.7441	7.0%
42	USAF RGN HOSP EGLIN	0.7518	0.8022	6.7%
21	22nd STRAT HOSP-MARCH	0.7503	0.8006	6.7%
6	USAF HOSP ELMENDORF	0.6943	0.7267	4.7%
111	USAF HOSP REESE	0.6176	0.6381	3.3%
83	USAF HOSP KIRTLAND	0.7777	0.7999	2.9%
20	831st MED GRP-GEORGE	0.5817	0.5969	2.6%
59	384th STRAT HOSP-MCCONNELL	0.7167	0.7314	2.0%
50	347th MED GRP-MOODY	0.7271	0.7408	1.9%
65	42nd STRAT HOSP-LORING	0.5586	0.5674	1.6%
102	354th MED GRP-MYRTLE BEACH	0.7942	0.8064	1.5%
18	1st STRAT HOSP-VANDENBERG	0.6442	0.6518	1.2%
93	842nd STRAT HOSP-GRAND FORKS	0.5495	0.5554	1.1%
80	509th STRAT HOSP-PEASE	0.6559	0.6628	1.1%
53	366th MED GRP-MOUNTAIN HOME	0.5916	0.5973	1.0%
54	USAF HOSP CHANUTE	0.7859	0.7926	0.8%
106	44th STRAT HOSP-ELLSWORTH	0.5470	0.5470	0.0%
78	EHRLING BERQUIST RGN HOSP-OFFUTT	0.6514	0.6513	0.0%
115	67th MED GRP-BERGSTROM	0.7455	0.7451	0.0%
94	857th STRAT HOSP-MINOT	0.6908	0.6904	-0.1%
85	27th MED GRP-CANNON	0.6105	0.6099	-0.1%
33	USAF ACADEMY HOSP	0.6892	0.6884	-0.1%
4	AIR UNIVERSITY RGN HOSP-MAXWELL	0.7628	0.7598	-0.4%
116	R. THOMPSON STRAT HOSP-C. RSWELL	0.8226	0.8148	-0.9%
9	832nd MED GRP-LUKE	0.6714	0.6645	-1.0%
76	351st STRAT HOSP-WHITEMAN	0.5163	0.5099	-1.2%
45	56th MED GRP-MACDILL	0.6780	0.6679	-1.5%
36	USAF HOSP DOVER	0.6126	0.6029	-1.6%
12	97th STRAT HOSP-EAKER	0.5809	0.5714	-1.6%
96	USAF HOSP TINKER	0.5952	0.5854	-1.7%
74	USAF HOSP COLUMBUS	0.7318	0.7178	-2%
15	9th STRAT HOSP-BEALE	0.5681	0.5570	-2.0%
13	USAF HOSP LITTLE ROCK	0.6571	0.6434	-2.1%
17	93rd STRAT HOSP-CASTLE	0.5361	0.5247	-2.1%
114	USAF HOSP LAUGHLIN	0.5386	0.5271	-2.1%
79	554th MED GRP-NELLIS	0.6084	0.5948	-2.2%
46	USAF HOSP PATRICK	0.7999	0.7815	-2.3%
63	23rd MED GRP-ENGLAND	0.7341	0.7161	-2.5%
97	USAF HOSP ALTUS	0.5954	0.5805	-2.5%
43	325th MED GRP-TYNDALL	0.6801	0.6619	-2.7%
129	90th STRAT HOSP-F. E. WARREN	0.5725	0.5569	-2.7%
62	2nd STRAT HOSP-BARKSDALE	0.6816	0.6628	-2.8%
10	836th MED GRP-DAVIS MONTHAN	0.6633	0.6446	-2.8%
119	USAF HOSP HILL	0.6308	0.6128	-2.8%
120	1st MED GRP-LANGLEY	0.5465	0.5301	-3.0%
88	416th STRAT HOSP-GRIFFISS	0.5449	0.5282	-3.1%
72	410th STRAT HOSP-K. I. SAWYER	0.5537	0.5367	-3.1%
128	92nd STRAT HOSP-FAIRCHILD	0.6888	0.6671	-3.2%
71	379th STRAT HOSP-WURTSMITH	0.6231	0.6026	-3.3%
101	363rd MED GRP-SHAW	0.5875	0.5680	-3.3%
11	USAF HOSP WILLIAMS	0.5617	0.5429	-3.3%
51	USAF HOSP ROBINS	0.6578	0.6352	-3.4%
44	31st MED GRP-HOMESTEAD	0.6872	0.6633	-3.5%
90	4th MED GRP-SEYMOUR JOHNSON	0.5860	0.5572	-4.9%
84	833rd MED GRP-HOLLOMAN	0.5771	0.5428	-5.9%
19	USAF HOSP EDWARDS	0.5934	0.5581	-5.9%

-- Continued --

EXHIBIT 3-14: FY90 USAF FACILITY VERSION 4 AND VERSION 8 GROUPE CMI
(BY PEER GROUP SORTED ON PERCENTAGE CHANGE)
(Concluded)

DMIS ID	FACILITY	FY90 VERSION 4 CMI	FY90 VERSION 8 CMI	%AGE CHANGE FY90 VERSION 4 TO FY90 VERSION 8 CMI
112	96th STRAT HOSP-DYESS	0.5939	0.5563	-6.3%
16	USAF HOSP MATHER	0.7317	0.6839	-6.5%
77	341st STRAT HOSP-MALMSTROM	-----	-----	-----
	Total USAF CONUS Community Hospitals	0.6691	0.6715	0.4%
66	MALCOM GROW MED CTR-ANDREWS	1.0337	1.1370	10.0%
117	WILFORD HALL MED CTR-LACKLAND	1.3052	1.4349	9.9%
95	USAF MED CTR WRIGHT-PATTERSON	1.0835	1.1664	7.6%
14	DAVID GRANT MED CTR-TRAVIS	1.0364	1.1047	6.6%
73	USAF MED CTR KEESLER	1.1821	1.2446	5.3%
109	BROOKE AMC (JMMC)-FT SAM HOUSTON	1.3264	1.3473	1.6%
55	USAF MED CTR SCOTT	0.9242	0.9174	-0.7%
	Total USAF Medical Centers	1.1839	1.2587	6.3%
631	USAF HOSP HELLENIKON	0.6793	0.8753	28.8%
633	USAF RGN HOSP LAKENHEATH	0.6404	0.7007	9.4%
639	432th MED GRP-MISAWA	0.5413	0.5807	7.3%
637	8th MED GRP-KUNSON AB	0.9007	0.9477	5.3%
636	13th MED CENTER-CLARK AB	0.8807	0.9247	5.1%
632	USAF HOSP UPPER HEYFORD	0.5880	0.6141	4.4%
628	USAF RGN MED CTR WIESBADEN	0.8464	0.8734	3.2%
640	475th MED GRP-YOKOTA AB	0.6466	0.6670	3.1%
629	USAF HOSP LAJES	0.5448	0.5557	2.0%
630	USAF HOSP TORREJON	0.6193	0.6267	1.2%
626	USAF HOSP BITBURG	0.5388	0.5414	0.5%
638	51st MED GRP-OSAN AB	0.6669	0.6692	0.4%
635	USAF HOSP INCIRLIK	0.6444	0.6793	-0.7%
627	USAF HOSP HAHN	0.5202	0.4981	-4.2%
634	USAF HOSP IRAKLION	-----	-----	-----
	Total USAF Overseas Hospitals	0.7072	0.7357	4.0%
	Total All USAF Facilities	0.8567	0.8876	3.6%

4 CMI is 1.0549, which indicates that on average, each PTF had a CMI that was approximately 5.5% higher strictly due to the fact that the grouper and associated weights and trim points were updated from Version 4 to Version 8.

Therefore, in order to ensure that RWPs, CMIs, and IWUs are consistent over time, a correction factor based upon this result may be incorporated when computing IWUs. The current basic formula for the computation of IWUs is:

$$IWUs = \frac{CMI}{.8109} \times MEPRS \text{ dispositions}$$

Precisely speaking, this definition is only accurate for IWUs based upon Version 4 DRGs and associated weights and trim points, which were used in the original formulation of the IWU. In order to correct for observed changes in case-mix due to grouper updates, a correction factor may be added to the definition of the IWU. Thus, the generic IWU definition would be:

$$IWUs = \frac{CMI}{(.8109 \times CMI \text{ Correction Factor})} \times MEPRS \text{ dispositions}$$

where the

$$CMI \text{ Correction Factor} = \frac{\text{DoD CMI using new grouper}}{\text{DoD CMI using past grouper}}$$

This definition of the IWU is generic in the sense that it is not sensitive to the DRG Grouper version with which the CMI is computed, whereas the former definition should only be applied to CMIs computed using the Version 4 DRG Grouper.

Applying this definition of the IWU to FY90 data would essentially increase the computed IWUs at each facility by 5.5%. Similarly, the corresponding correction factor for each DRG grouper update must be

calculated whenever the grouper and/or associated weights and trim points are updated.

Note that while the global adjustment factor preserves comparability of IWUs over time at the aggregate DoD level, the global adjustment does not compensate for changes at the facility level. For example, while on average the DoD CMI increase by 5.5% when comparing results from the Version 4 and Version 8 DRG Groupers, Navy CONUS hospitals CMIs on average increased by 10.7%. In addition, NH Lemoore (DMIS ID 28) had a 10.3% decrease in its CMI while NH Orlando had a 22.9% increase in its CMI. Therefore, an analysis at the facility or peer group level, even after compensating for the update at the global level, could demonstrate a notable change in observed IWUs strictly due to the grouper update.

Thus, there exists a tradeoff between frequently updating or maintaining the same DRG grouper and associated weights and trim points. While it is presumed that a more recent grouper will incorporate rapidly changing medical practice, policy, relative costs, and efficiency, continuously updating the basis for measuring workload could impact facility or peer group-level time series analyses. The issues identified and data presented in this document will assist analysts in identifying changes in workload strictly due to updates in workload measures. Caution must be exercised, however, when workload measures obtained from different DRG groupers are compared over time or employed as inputs to previously established models.

EXHIBIT A-1: FY90 VERSION 4 AND VERSION 8 DRG GROUPER ARMY CONUS HOSPITAL CMIs BY MDC

MAJOR DIAGNOSTIC CATEGORY (MDC)		VERSION 4 DISP.	VERSION 8 DISP.	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
1	Nervous System	5,831	5,768	5,148	5,820	0.8829	1.0090	14.3%
2	Eye Disorders	3,147	3,144	1,982	2,087	0.6297	0.6639	5.4%
3	Ear/Nose/Mouth/Throat	15,185	19,518	7,663	11,653	0.5046	0.5971	18.3%
4	Respiratory System	10,017	9,973	10,099	9,762	1.0082	0.9788	-2.9%
5	Circulatory System	8,922	8,926	7,999	7,958	0.8965	0.8915	-0.6%
6	Digestive System	24,196	19,733	20,033	15,079	0.8280	0.7641	-7.7%
7	Hepatobiliary System	2,707	2,701	3,479	3,260	1.2850	1.2069	-6.1%
8	Musculoskeletal System	18,969	18,963	20,091	20,798	1.0591	1.0968	3.6%
9	Skin/Subcutaneous Tissue	9,497	9,487	7,648	7,754	0.8053	0.8173	1.5%
10	Endocrine/Nutritional	3,350	3,330	2,921	2,574	0.8721	0.7731	-11.4%
11	Kidney/Urinary Tract	3,544	3,539	3,036	2,824	0.8566	.979	-6.9%
12	Male Reproductive System	4,681	4,658	2,967	2,847	0.6339	.6112	-3.6%
13	Female Reproductive System	8,963	8,954	6,683	6,568	0.7457	0.7335	-1.6%
14	Pregnancy/Childbirth	32,448	32,374	17,433	15,518	0.5373	0.4794	-10.8%
15	Neonatal/Perinatal Period	20,003	20,437	4,812	4,763	0.2406	0.2330	-3.1%
16	Blood/Immunity	1,478	1,373	1,551	1,446	1.0492	1.0531	0.4%
17	Myeloproliferative/Neoplasms	822	816	953	1,156	1.1591	1.4170	22.3%
18	Infectious/Parasitic	5,720	5,602	3,841	4,052	0.6716	0.7233	7.7%
19	Mental Disease/Disorder	4,050	4,047	4,150	7,971	1.0248	1.9695	92.2%
20	Substance Use/Organic Mental	1,685	1,685	1,129	2,109	0.6698	1.2517	86.9%
21	Injury, Poison, Toxic Effects	4,236	4,137	3,827	3,358	0.9035	0.8117	-10.2%
22	Burns	258	258	305	307	1.1839	1.1882	0.4%
23	Other Factors/Contacts	5,247	5,171	2,311	3,082	0.4404	0.5960	35.3%
24	Multiple Significant Trauma	---	128	---	680	---	5,3146	---
25	HIV Infections	---	153	---	388	---	2,5346	---
All Care		194,951	194,875	140,061	143,812	0.7184	0.7380	2.7%

EXHIBIT A-2: FY90 VERSION 4 AND VERSION 8 DRG GROUPER ARMY MEDICAL CENTER CMIs BY MDC

MAJOR DIAGNOSTIC CATEGORY (MDC)	VERSION 4		VERSION 8		VERSION 4		VERSION 8		%AGE CHANGE IN CMI
	DISP.	VERSION 4 DISP.	DISP.	VERSION 8 DISP.	RWPs	VERSION 4 RWP	RWPs	VERSION 8 CMI	
1 Nervous System	6,390	6,324	10,968	12,085	1.7164	1.9109	11.3%		
2 Eye Disorders	3,116	3,112	2,606	2,742	0.8365	0.8812	5.3%		
3 Ear/Nose/Mouth/Throat	6,302	8,403	4,578	7,028	0.7265	0.8364	15.1%		
4 Respiratory System	5,816	5,762	9,644	9,575	1.6582	1.6618	0.2%		
5 Circulatory System	12,134	12,225	20,779	21,692	1.7125	1.7744	3.6%		
6 Digestive System	16,892	14,669	20,024	14,265	1.1854	0.9725	-18.0%		
7 Hepatobiliary System	2,306	2,299	4,298	3,991	1.8637	1.7362	-6.8%		
8 Musculoskeletal System	13,084	13,093	18,562	18,590	1.4187	1.4199	0.1%		
9 Skin/Subcutaneous Tissue	7,131	7,113	7,375	7,550	1.0343	1.0614	2.6%		
10 Endocrine/Nutritional	2,528	2,499	2,802	2,495	1.1083	0.9984	-9.9%		
11 Kidney/Urinary Tract	4,496	4,512	6,172	6,028	1.3728	1.3360	-2.7%		
12 Male Reproductive System	2,968	2,960	2,939	2,956	0.9903	0.9987	0.8%		
13 Female Reproductive System	5,935	5,933	5,553	5,499	0.9357	0.9268	-1.0%		
14 Pregnancy/Childbirth	15,645	15,642	9,949	8,810	0.6360	0.5633	-11.4%		
15 Neonatal/Perinatal Period	10,398	10,689	4,681	6,345	0.4502	0.5936	31.8%		
16 Blood/Immunity	2,240	1,652	3,388	2,242	1.5125	1.3571	-10.3%		
17 Myeloproliferative/Neoplasms	2,994	2,986	5,463	6,357	1.8248	2.1289	16.7%		
18 Infectious/Parasitic	1,716	1,567	2,459	2,350	1.4328	1.4995	4.7%		
19 Mental Disease/Disorder	3,808	3,786	6,312	10,795	1.6576	2.8512	72.0%		
20 Substance Use/Organic Mental	2,223	2,223	2,452	1,297	1.1031	1.9328	75.2%		
21 Injury, Poison, Toxic Effects	2,349	2,032	3,180	2,368	1.3536	1.1852	-13.9%		
22 Burns	118	118	208	206	1.7623	1.7496	-0.7%		
23 Other Factors/Contacts	4,964	4,919	3,649	4,983	0.7351	1.0150	38.1%		
24 Multiple Significant Trauma	---	124	---	967	---	7,7998	---		
25 HIV Infections	---	890	---	3,594	---	4,0386	---		
All Care	135,553	135,532	158,043	167,820	1.1659	1.2382	6.2%		

EXHIBIT A-3: FY90 VERSION 4 AND VERSION 8 DRG GROUPER ARMY OVERSEAS HOSPITAL CMIs BY MDC

MAJOR DIAGNOSTIC CATEGORY (MDC)		VERSION 4 DISP.	VERSION 8 DISP.	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%AGE CHANGE IN CMI
1	Nervous System	2,187	2,166	2,266	2,609	1,0363	1,2043	16.2%
2	Eye Disorders	989	981	609	646	0.6155	0.6589	7.1%
3	Ear/Nose/Mouth/Throat	2,792	4,075	1,505	2,951	0.5389	0.7241	34.4%
4	Respiratory System	2,747	2,728	2,767	2,727	1,0074	0.9998	-0.8%
5	Circulatory System	2,179	2,171	2,347	2,279	1,0771	1,0499	-2.5%
6	Digestive System	7,452	6,116	6,266	4,540	0.8409	0.7424	-11.7%
7	Hepatobiliary System	671	661	887	828	1,3219	1,2533	5.2%
8	Musculoskeletal System	7,380	7,363	8,054	8,337	1,0913	1,1323	3.8%
9	Skin/Subcutaneous Tissue	2,887	2,888	2,495	2,599	0.8643	0.8998	4.1%
10	Endocrine/Nutritional	1,035	1,029	813	707	0.7857	0.6872	-12.5%
11	Kidney/Urinary Tract	1,284	1,277	1,057	1,014	0.8230	0.7944	-3.5%
12	Male Reproductive System	2,550	2,038	1,532	1,144	0.6006	0.5613	-6.6%
13	Female Reproductive System	3,277	3,273	2,517	2,523	0.7680	0.7709	0.4%
14	Pregnancy/Childbirth	11,918	11,911	7,211	6,380	0.6050	0.5356	-11.5%
15	Neonatal/Perinatal Period	8,261	8,964	2,313	2,627	0.2800	0.2931	4.7%
16	Blood/Immunity	383	366	422	416	1,1019	1,1379	3.3%
17	Myeloproliferative/Neoplasms	326	325	362	405	1,1108	1,2453	12.1%
18	Infectious/Parasitic	1,362	1,338	968	1,019	0.7108	0.7615	7.1%
19	Mental Disease/Disorder	2,452	2,451	2,179	4,376	0.8886	1.7852	100.9%
20	Substance Use/Organic Mental	2,243	2,243	2,680	4,358	1,1950	1,9429	62.6%
21	Injury, Poison, Toxic Effects	1,230	1,197	1,087	920	0.8835	0.7689	-13.0%
22	Burns	145	144	195	173	1,3444	1,2034	-10.5%
23	Other Factors/Contacts	1,401	1,356	1,306	1,658	0.9320	1,2225	31.2%
24	Multiple Significant Trauma	---	65	---	313	---	4,8183	---
25	HIV Infections	---	16	---	26	---	1,6356	---
All Care		67,151	67,142	51,837	55,576	0.7719	0.8277	7.2%

EXHIBIT A-4: FY90 VERSION 4 AND VERSION 8 DRG GROUPER NAVY CONUS HOSPITAL CMIs BY MDC

MAJOR DIAGNOSTIC CATEGORY (MDC)		VERSION 4 DISP.	VERSION 8 DISP.	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%ACI CHANGE IN CMI
1	Nervous System	2,178	2,145	1,350	2,059	0.8495	0.9597	13.0%
2	Eye Disorders	1,455	1,453	884	944	0.6078	0.6496	6.9%
3	Ear/Nose/Mouth/Throat	4,818	6,136	2,328	3,670	0.4832	0.5982	23.8%
4	Respiratory System	4,275	4,248	4,376	4,142	1.0237	0.9750	-4.8%
5	Circulatory System	3,547	3,531	3,265	3,020	0.9175	0.8554	-6.8%
6	Digestive System	9,694	8,299	8,405	6,718	0.8670	0.8095	-6.6%
7	Hepatobiliary System	1,650	1,644	1,949	1,818	1.1813	1.1060	-6.4%
8	Musculoskeletal System	10,656	10,650	9,046	9,480	0.8490	0.8901	4.8%
9	Skin/Subcutaneous Tissue	4,677	4,670	3,710	3,695	0.7932	0.7891	-0.5%
10	Endocrine/Nutritional	1,117	1,108	915	821	0.8196	0.7407	-9.6%
11	Kidney/Urinary Tract	1,553	1,840	1,408	1,303	0.8516	0.7944	-6.7%
12	Male Reproductive System	1,356	1,343	939	859	0.6925	0.6394	-7.7%
13	Female Reproductive System	4,319	4,319	3,169	3,132	0.7338	0.7252	-1.2%
14	Pregnancy/Childbirth	12,492	12,476	7,117	6,221	0.5702	0.4986	-12.6%
15	Neonatal/Perinatal Period	9,798	10,049	2,220	2,497	0.2266	0.2485	9.7%
16	Blood/Immunity	622	540	696	598	1.1189	1.0896	-2.6%
17	Myeloproliferative/Neoplasms	204	203	285	327	1.3964	1.6098	15.3%
18	Infectious/Parasitic	1	1,902	1,394	1,466	0.7097	0.7709	8.6%
19	Mental Disease/Disorder	2,674	2,854	2,982	6,560	1.0441	2.2985	120.1%
20	Substance Use/Organic Mental	3,499	3,499	4,007	7,873	1.1453	2.2501	96.5%
21	Injury, Poison, Toxic Effects	1,674	1,644	1,357	1,238	0.8106	0.7530	-7.1%
22	Burns	116	116	192	180	1.6532	1.5496	-6.3%
23	Other Factors/Contacts	888	860	527	695	0.5935	0.8085	36.2%
24	Multiple Significant Trauma	---	48	---	199	---	4.1513	---
25	HIV Infections	---	87	---	242	---	2.7867	---
All Care		85,498	85,464	63,011	69,737	0.7370	0.8160	10.7%

EXHIBIT A-5: FY90 VERSION 4 AND VERSION 8 DRG GROUPER NAVY MEDICAL CENTER CMI's BY MDC

MAJOR DIAGNOSTIC CATEGORY (MDC)		VERSION 4 DISP.	VERSION 8 DISP.	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%AG: CHANGE IN CMI
1	Nervous System	3,536	3,487	4,753	5,184	1,3441	1,4867	10.6%
2	Eye Disorders	2,522	2,522	1,719	1,847	0.6815	0.7326	7.5%
3	Ear/Nose/Mouth/Throat	5,358	6,337	3,158	4,438	0.5895	0.7003	18.8%
4	Respiratory System	3,548	3,601	5,088	5,058	1,3948	1,4045	0.7%
5	Circulatory System	6,011	6,041	8,409	8,796	1,3889	1,4561	4.1%
6	Digestive System	7,856	6,810	8,503	6,639	1,0824	0.9749	-9.9%
7	Hepatobiliary System	1,393	1,382	2,064	1,920	1,4816	1,3893	-6.2%
8	Musculoskeletal System	9,315	9,304	10,636	10,557	1,1419	1,1347	-0.6%
9	Skin/Subcutaneous Tissue	3,989	3,988	3,673	3,815	0.9207	0.9566	3.9%
10	Endocrine/Nutritional	1,274	1,258	1,288	1,210	1,0110	0.9619	-4.9%
11	Kidney/Urinary Tract	2,762	2,750	2,926	2,753	1,0593	1,0012	-5.5%
12	Male Reproductive System	1,980	1,958	1,593	1,538	0.8125	0.7854	-3.3%
13	Female Reproductive System	3,338	3,335	2,877	2,835	0.8618	0.8501	-1.4%
14	Pregnancy/Childbirth	13,111	13,105	7,277	6,438	0.5551	0.4913	-11.5%
15	Neonatal/Perinatal Period	8,489	8,715	3,124	4,239	0.3681	0.4864	32.2%
16	Blood/Immunity	1,198	661	1,688	830	1,4090	1,2562	-10.8%
17	Myeloproliferative/Neoplasms	1,187	1,175	2,160	2,477	1,8197	2,1080	15.8%
18	Infectious/Parasitic	1,321	1,232	1,477	1,428	1,1182	1,1594	3.7%
19	Mental Disease/Disorder	2,122	2,114	2,647	5,455	1,2473	2,5803	106.9%
20	Substance Use/Organic Mental	1,664	1,664	1,764	3,372	1,0599	2,0263	91.2%
21	Injury, Poison, Toxic Effects	1,256	1,107	1,599	1,234	1,2731	1,1143	-12.5%
22	Burns	119	119	191	185	1,6008	1,5542	-2.9%
23	Other Factors/Contacts	1,191	1,169	683	939	0.5815	0.8035	38.2%
24	Multiple Significant Trauma	---	86	---	712	---	8,2765	---
25	HIV Infections	---	688	---	2,027	---	2,9463	---
All Care		84,620	84,608	79,305	85,928	0.9372	1.0156	8.4%

EXHIBIT A-6: FY90 VERSION 4 AND VERSION 8 DRG GROUPER NAVY OVERSEAS HOSPITAL CMIs BY MDC

MAJOR DIAGNOSTIC CATEGORY (MDC)		VERSION 4 DISP		VERSION 8 DISP		VERSION 4 RWPs		VERSION 8 RWPs		VERSION 4 CMI		VERSION 8 CMI		%AGI CHANGE IN CMI	
1	Nervous System	819		808		643		717		0.7847		0.8874		13.1%	
2	Eye Disorders	404		403		2		252		0.5789		0.6241		7.8%	
3	Ear/Nose/Mouth/Throat	1,182		1,579		618		1,028		0.5229		0.6510		24.5%	
4	Respiratory System	948		940		891		885		0.9394		0.9417		0.2%	
5	Circulatory System	710		707		690		652		0.9712		0.9227		-5.0%	
6	Digestive System	2,602		2,177		2,070		1,602		0.7955		0.7358		-7.5%	
7	Hepatobiliary System	376		373		438		397		1.1659		1.0632		-8.8%	
8	Musculoskeletal System	3,548		3,545		3,132		3,289		0.8827		0.9277		5.1%	
9	Skin/Subcutaneous Tissue	1,346		1,343		986		1,014		0.7325		0.7549		3.1%	
10	Endocrine/Nutritional	246		244		220		209		0.8939		0.8554		-4.3%	
11	Kidney/Urinary Tract	520		513		392		363		0.7542		0.7079		-6.1%	
12	Male Reproductive System	536		535		358		324		0.6635		0.6057		-8.7%	
13	Female Reproductive System	1,319		1,319		954		952		0.7235		0.7218		-0.2%	
14	Pregnancy/Childbirth	5,280		5,276		3,045		2,653		0.5766		0.5028		-12.8%	
15	Neonatal/Perinatal Period	4,281		4,355		923		981		0.2155		0.2275		5.6%	
16	Blood/Immunity	120		117		122		119		1.0136		1.0167		0.3%	
17	Myeloproliferative/Neoplasms	28		28		39		48		1.3914		1.7188		23.5%	
18	Infectious/Parasitic	537		523		423		463		0.7871		0.8856		12.5%	
19	Mental Disease/Disorder	891		889		720		1,450		0.8082		1.6306		101.8%	
20	Substance Use/Organic Mental	1,058		1,058		1,371		2,427		1.2956		2.2941		77.1%	
21	Injury, Poison, Toxic Effects	518		507		441		394		0.8514		0.7771		-8.7%	
22	Burns	46		45		85		86		1.8402		1.9141		4.0%	
23	Other Factors/Contacts	154		147		92		118		0.5957		0.8037		34.9%	
24	Multiple Significant Trauma	---		31		---		131		---		4.2395		---	
25	HIV Infections	---		1		---		1		---		1.1216		---	
All Care		27,469		27,463		18,081		20,564		0.6874		0.7488		8.9%	

EXHIBIT A-7: FY90 VERSION 4 AND VERSION 8 DRG GROUPER AIR FORCE CONUS HOSPITAL CMIs BY MDC

MAJOR DIAGNOSTIC CATEGORY (MDC)		VERSION 4 DISP	VERSION 8 DISP	VERSION 4 RWPs	VERSION 8 RWPs	VERSION 4 CMI	VERSION 8 CMI	%AGI CHANGE IN CMI
1	Nervous System	3,373	3,349	2,743	3,057	0.8131	0.9127	12.3%
2	Eye Disorders	1,697	1,700	1,091	1,160	0.6431	0.6821	6.1%
3	Ear/Nose/Mouth/Throat	6,776	13,233	3,210	7,909	0.4738	0.5977	26.2%
4	Respiratory System	7,089	7,050	7,276	6,914	1.0263	0.9808	-4.4%
5	Circulatory System	5,240	5,221	4,851	4,738	0.9258	0.9076	-2.0%
6	Digestive System	22,917	16,385	17,289	12,443	0.7544	0.7594	0.7%
7	Hepatobiliary System	2,925	2,908	3,612	3,351	1.2348	1.1522	-6.7%
8	Musculoskeletal System	11,288	11,268	10,187	10,370	0.9025	0.9203	2.0%
9	Skin/Subcutaneous Tissue	6,785	6,783	5,249	5,298	0.7736	0.7811	1.0%
10	Endocrine/Nutritional	2,232	2,223	1,848	1,680	0.8281	0.7559	-8.7%
11	Kidney/Urinary Tract	2,995	2,991	2,397	2,216	0.8004	0.7407	-7.4%
12	Male Reproductive System	2,693	2,678	1,832	1,685	0.6804	0.6291	-7.5%
13	Female Reproductive System	9,872	9,866	7,287	7,160	0.7382	0.7257	-1.7%
14	Pregnancy/Childbirth	29,503	29,454	16,100	14,087	0.5457	0.4783	-12.4%
15	Neonatal/Perinatal Period	21,227	21,548	4,219	4,440	0.1987	0.2061	3.7%
16	Blood/Immunity	902	866	930	885	1.0312	1.0220	-0.9%
17	Myeloproliferative/Neoplasms	457	457	516	629	1.1294	1.3765	21.9%
18	Infectious/Parasitic	2,161	2,083	1,614	1,659	0.7440	0.7965	7.1%
19	Mental Disease/Disorder	1,520	1,510	2,159	3,774	1.4206	2.4990	75.9%
20	Substance Use/Organic Mental	1,787	1,787	1,465	2,289	0.8198	1.2810	56.3%
21	Injury, Poison, Toxic Effects	1,692	1,645	1,410	1,269	0.8334	0.7712	-7.5%
22	Burns	126	126	164	170	1.3009	1.3512	3.9%
23	Other Factors/Contacts	1,716	1,648	900	1,108	0.5246	0.6721	28.1%
24	Multiple Significant Trauma	---	50	---	221	---	4,4293	---
25	HIV Infections	---	50	---	116	---	2,3169	---
All Care		146,981	146,879	98,350	98,627	0.6691	0.6715	0.4%

EXHIBIT A-8: FY90 VERSION 4 AND VERSION 8 DRG GROUPER AIR FORCE MEDICAL CENTER CMIs BY MDC

MAJOR DIAGNOSTIC CATEGORY (MDC)	VERSION 4		VERSION 8		VERSION 4 CMI	VERSION 8 CMI	%AGI CHANGE IN CMI
	DISP.	VERSION 4 DISP.	RWPs	VERSION 8 RWPs			
1 Nervous System	4,426	4,373	7,233	7,620	1,6341	1,7425	6.6%
2 Eye Disorders	2,423	2,423	1,964	2,077	0.8106	0.8574	5.8%
3 Ear/Nose/Mouth/Throat	4,557	7,378	3,103	5,728	0.6810	0.7764	14.0%
4 Respiratory System	5,496	5,446	9,359	9,516	1,7030	1,7474	2.6%
5 Circulatory System	10,458	10,600	17,343	18,111	1,6583	1,7086	3.0%
6 Digestive System	12,029	9,113	13,784	9,924	1,1459	1,0890	-5.0%
7 Hepatobiliary System	2,048	2,033	3,888	3,668	1,8986	1,8043	-5.0%
8 Musculoskeletal System	9,024	9,003	11,810	11,702	1,3087	1,2998	-0.7%
9 Skin/Subcutaneous Tissue	4,592	4,611	4,535	4,636	0.9877	1,0054	1.8%
10 Endocrine/Nutritional	1,768	1,761	2,009	1,903	1,1362	1,0806	-4.9%
11 Kidney/Urinary Tract	3,155	3,177	4,012	4,025	1,2716	1,2868	-0.4%
12 Male Reproductive System	1,834	1,831	1,668	1,615	0.9096	0.8821	-3.0%
13 Female Reproductive System	4,310	4,308	3,957	3,880	0.9180	0.9007	-1.9%
14 Pregnancy/Childbirth	9,574	9,570	7,021	6,137	0.7334	0.6412	-12.6%
15 Neonatal/Perinatal Period	7,635	7,869	3,644	5,482	0.4772	0.6967	46.0%
16 Blood/Immunity	1,346	1,145	2,049	1,611	1,5224	1,4067	-7.6%
17 Myeloproliferative/Neoplasms	2,379	2,375	4,010	4,814	1,6854	2,0271	20.3%
18 Infectious/Parasitic	1,189	1,146	1,522	1,497	1,2802	1,3063	2.0%
19 Mental Disease/Disorder	2,449	2,444	3,980	7,551	1,6253	3,0896	90.1%
20 Substance Use/Organic Mental	1,294	1,294	1,576	2,187	1,2182	1,6898	38.7%
21 Injury, Poison, Toxic Effects	1,858	1,513	2,835	2,042	1,5267	1,3499	-11.5%
22 Burns	281	281	1,218	1,291	4,3338	4,5937	6.0%
23 Other Factors/Contacts	2,771	2,740	2,195	2,912	0.7922	1,0627	34.1%
24 Multiple Significant Trauma	---	201	---	1,068	---	5,3144	---
25 HIV Infections	---	252	---	954	---	3,7865	---
All Care	96,896	96,887	114,715	121,952	1,1839	1,2587	6.3%

EXHIBIT A-9: FY90 VERSION 4 AND VERSION 8 DRG GROUPER AIR FORCE OVERSEAS HOSPITAL CMIs BY MDC

MAJOR DIAGNOSTIC CATEGORY (MDC)		VERSION 4 DISP	VERSION 8 DISP	VERSION 4 RWP _s	VERSION 8 RWP _s	VERSION 4 CMI	VERSION 8 CMI	%ΔCMI IN CMI
1	Nervous System	775	762	875	940	1.1290	1.2335	9.3%
2	Eye Disorders	428	424	284	296	0.6628	0.6988	5.4%
3	Ear/Nose/Mouth/Throat	1,585	2,988	777	1,870	0.4900	0.6259	27.7%
4	Respiratory System	967	962	985	962	1.0188	1.0001	-1.8%
5	Circulatory System	653	650	691	661	1.0576	1.0174	-3.8%
6	Digestive System	3,772	2,341	2,755	1,774	0.7303	0.7578	3.8%
7	Hepatobiliary System	301	298	410	384	1.3622	1.2883	-5.4%
8	Musculoskeletal System	2,612	2,603	2,508	2,536	0.9600	0.9741	1.5%
9	Skin/Subcutaneous Tissue	1,055	1,045	821	875	0.7779	0.8377	7.7%
10	Endocrine/Nutritional	309	305	258	226	0.8339	0.7402	-11.2%
11	Kidney/Urinary Tract	1,257	1,254	873	740	0.6948	0.5905	-15.0%
12	Male Reproductive System	578	571	363	337	0.6281	0.5899	-6.1%
13	Female Reproductive System	1,237	1,236	912	906	0.7376	0.7330	-0.6%
14	Pregnancy/Childbirth	5,420	5,419	3,727	3,248	0.6876	0.5994	-12.8%
15	Neonatal/Perinatal Period	4,328	4,437	1,184	1,643	0.2736	0.3703	35.4%
16	Blood/Immunity	93	91	107	119	1.1474	1.3059	13.8%
17	Myeloproliferative/Neoplasms	84	84	112	102	1.3386	1.2132	-9.4%
18	Infectious/Parasitic	456	435	335	337	0.7340	0.7751	5.6%
19	Mental Disease/Disord.	586	586	516	983	0.8798	1.6781	90.7%
20	Substance Use/Organic Mental	555	555	603	827	1.0869	1.4908	37.2%
21	Injury, Poison, Toxic Effects	385	359	304	267	0.8329	0.7447	-10.6%
22	Burns	29	29	48	58	1.6407	1.9958	21.6%
23	Other Factors/Contacts	305	292	180	225	0.5905	0.7721	30.8%
24	Multiple Significant Trauma	---	21	---	92	---	4.3883	---
25	HIV Infections	---	2	---	5	---	2.5668	---
All Care		27,750	27,749	19,625	20,415	0.7072	0.7357	4.0%

